



PRODUCT CATALOGUE

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High Frequency Power Inverter/Charger

SR1100 Pro Series (1200VA 2400VA)



Features

- Rated power 1.2KVA to 2.4KVA
- Modified sine wave inverter
- Double layers PCB board
- Configurable input voltage ranges (90-280VAC/170-280VAC) via LCD setting
- Display accumulated working time
- 3 steps charging algorithm
- Auto restart while AC recovery
- Overload & short-circuit protection, Battery reverse polarity protection, Deep discharge protection
- Advanced technology optimizes battery life
- Automatic line-to-battery switchover

Introduction

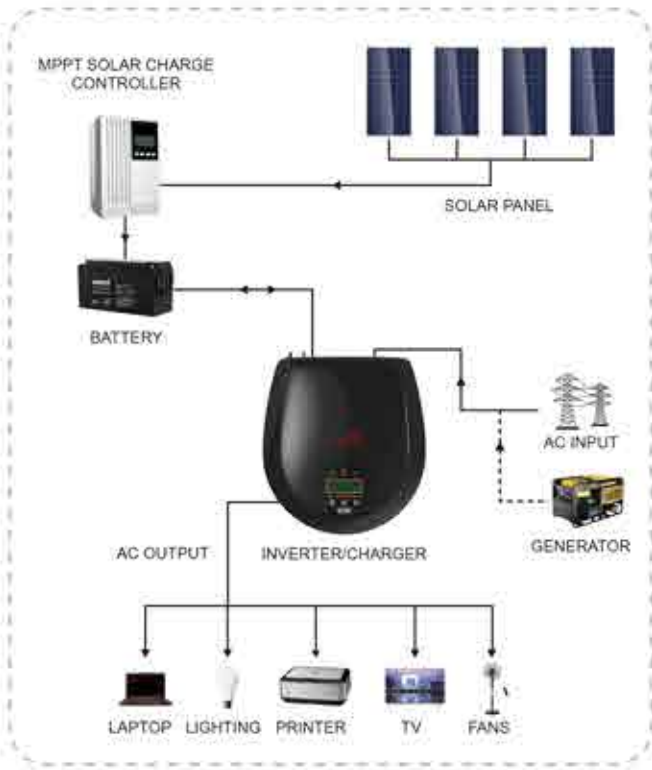
EP1100 Pro 1200VA/2400VA is a modified sine wave inverter applied to TV, stereos, laptops, and desktop computers and other home appliances. It will automatically switch to inverter and provide power when AC is interrupted unexpectedly. It's perfect for the user who need a simple and economical inverter, with user-friendly installation and setting.

Back panel printing description



- | | | |
|----------------------|--------------|---|
| 1. Fault LED | 5. Set Key | 9. AC Input |
| 2. Inverter Mode LED | 6. Flip Key | 10. Output Receptacle(s) |
| 3. Line Mode LED | 7. Enter Key | 11. Fan |
| 4. LCD Display | 8. ON / OFF | 12. DC Input Connector (Battery Terminal) |

Solar system connection



Specification

MODEL		SR 11-1200 PRO	SR 11-2400 PRO
Nominal Battery System Voltage		12VDC	24VDC
INVERTER OUTPUT	Rated Power	1200VA / 720W	2400VA / 1440W
	Waveform	Modified Sine Wave	
	Nominal Output Voltage RMS	230V	
	Output Voltage Regulation	+10/-18%	
	Output Frequency	50Hz / 60Hz±0.5Hz	
	Inverter Efficiency (Peak)	>80%	
	Line Mode Efficiency	>95%	
	Power Factor	0.6	
	Typical Transfer Time	Typical 15~20ms 40ms max	
AC INPUT	Voltage	220 / 230 / 240VAC	
	Selectable Voltage Range	Narrow	170~280VAC
		Wide	90~280VAC
	Frequency Range	50Hz / 60Hz(Auto sensing)	
BATTERY	Nominal Input Voltage	12VDC	24VDC
	Minimum Start Voltage	10.5VDC	21.0VDC
	Low Battery Alarm	10.5VDC±0.2V	21.0VDC±0.4V
	Low Battery Cutoff	10.0VDC±0.2V	20.0VDC±0.4V
	High Voltage Alarm	16.0VDC±0.2V	32.0VDC±0.4V
	High Battery Voltage Recover	15.0VDC±0.2V	30.0VDC±0.4V
CHARGER	Boost Voltage (Vbat<12.5V)	14.4VDC±0.2V	28.8VDC±0.4V
	Float Voltage (Vbat>12.5V)	13.7VDC±0.2V	27.4VDC±0.4V
	Charging Current 10A	10A±2A	
	Charging Current 20A	20A±2A	
	Overcharge Protection S.D.	15.5VDC±0.4A	31VDC±0.8A
BYPASS & PROTECTION	Nominal Input Frequency	50Hz or 60Hz	
	Overload Protection (SMPS Load)	FUSE	
	Output Short Circuit Protection	10A	
	Bypass Fuse Rating	10A	
	Max Bypass Current	10A	
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D) (mm)	246*253*87	
	Shipping Dimensions (W*H*D) (mm)	315*368*145	
	Shipping Weight (kg)	2.9	3.1
OTHER	Operation Temperature Range	0°C to 40°C	
	Audible Noise	60dB MAX	
	Display	LED+LCD	
	Standard Warranty	1 year	

High Frequency Power Inverter/Charger

SR1500 Series (1000VA 2000VA)



Features

- Rated power 1000VA to 2000VA
- Pure sine wave inverter
- Double layers PCB board
- Support two kinds of batteries include 4 series LiFePO4 Lithium Battery Pack and Lead-acid Battery
- Display accumulated working time
- 3 steps charging algorithm
- Auto restart while AC recovery
- Overload & short-circuit protection, Battery reverse polarity protection, Deep discharge protection
- Advanced technology optimizes battery life
- Automatic line-to-battery switch over

Introduction

SR1500 series is a pure sine wave inverter applied to TV, stereos, laptops, and desktop computers and other home appliances. It will automatically switch to inverter and provide power when AC is interrupted unexpectedly. It's perfect for the user who need a simple and economical inverter, with user-friendly installation and setting.

Back panel printing description



1. Fault LED

2. Inverter Mode LED

3. Line Mode LED

4. LCD Display
5. Set Key

6. Flip Key

7. Enter Key

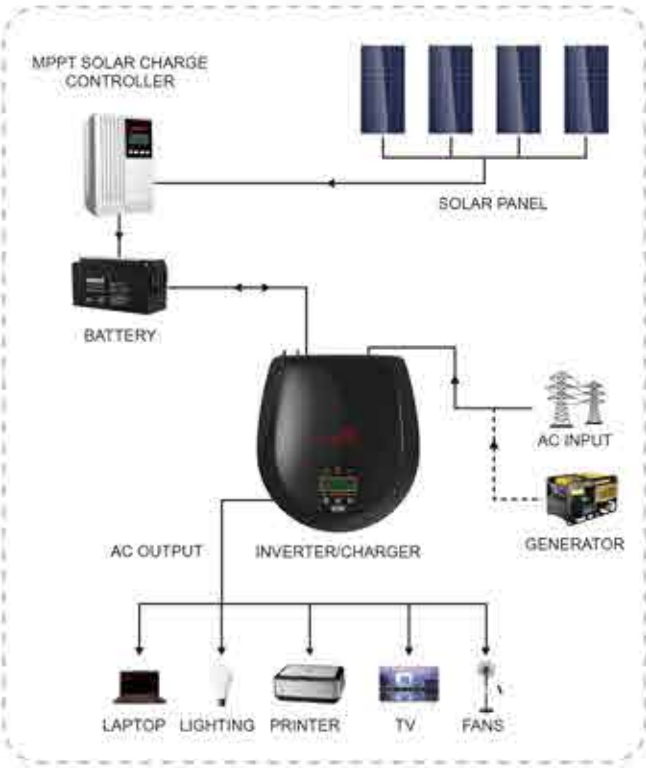
8. ON / OFF
9. AC Input

10. OutoutReceptacle(s)

11. Fan

12. DC Input Connector (Battery Terminal)

Solar system connection



Specification

MODEL		SR15-1012		SR15-2024	
Nominal Battery System Voltage		12VDC		24VDC	
INVERTER OUTPUT	Rated Power	1000VA / 600W		2000VA / 1200W	
	Waveform	Pure Sine Wave			
	Nominal Output Voltage RMS	230V			
	Output Voltage Regulation	+10/-18%			
	Output Frequency	50Hz / 60Hz ±1Hz			
	Inverter Efficiency (Peak)	>90%			
	Line Mode Efficiency	>95%			
	Typical Transfer Time	<10ms typical, 15ms max			
AC INPUT	Voltage	230VAC			
	Voltage Range	184~278VAC			
	Frequency Range	50Hz / 60Hz(Auto sensing)			
BATTERY	Note: Below Parameters (PB) Lead-acid Battery / (LI) 4 series LiFePO4 Lithium Battery Pack				
	Nominal Input Voltage	12VDC		24VDC	
	Low Battery Cutoff	10.5VDC(PB)	11.5VDC(LI)	21.0VDC(PB)	23.0VDC(LI)
	Low Battery Alarm	11.0VDC(PB)	12.0VDC(LI)	22.0VDC(PB)	24.0VDC(LI)
	Low Battery Voltage Recover	12.5VDC(PB)	12.8VDC(LI)	25.0VDC(PB)	25.6VDC(LI)
	High Voltage Alarm	14.7VDC(PB)	14.5VDC(LI)	29.4VDC(PB)	29.0VDC(LI)
	High Battery Voltage Recover	15.0VDC(PB)	14.8VDC(LI)	30.0VDC(PB)	29.6VDC(LI)
	CHARGER	Boost Voltage (Vbat<12.5V)	14.3VDC(PB)	14.3VDC(LI)	28.6VDC(PB)
Float Voltage (Vbat>12.5V)		13.8VDC(PB)	14.3VDC(LI)	27.4VDC(PB)	28.6VDC(LI)
Charging Current		10A±2A @ 12V		5A±2A @ 24V	
Charging Current		15A±2A @ 12V		10A±2A @ 24V	
Overcharge Protection S.D.		15.5VDC		31VDC	
BYPASS & PROTECTION	Nominal Input Frequency	50Hz or 60Hz			
	Overload Protection (SMPS Load)	FUSE			
	Output Short Circuit Protection	10A			
	Bypass Fuse Rating	10A			
	Max Bypass Current	10A			
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D) (mm)	246*253*87			
	Shipping Dimensions (W*H*D) (mm)	315*368*145			
	Shipping Weight (kg)	2.9		3.1	
OTHER	Operation Temperature Range	0°C to 40°C			
	Audible Noise	60dB MAX			
	Display	LED+LCD			
	Standard Warranty	1 year			

High Frequency Power Inverter/Charger

SR1500 PLUS Series (600W)



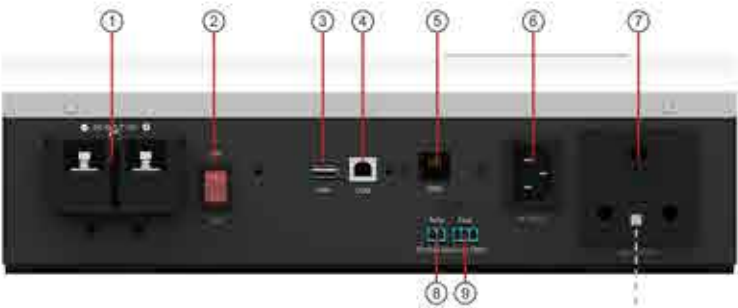
Features

- Rated power 600W
- Pure sine wave inverter
- Double layers PCB board
- Support two kinds of batteries include 4 series LiFePO4 Lithium Battery Pack and Lead-acid Battery
- 3 steps charging algorithm
- Auto restart while AC recovery
- Overload & short-circuit protection, Battery Low Voltage Protection& Over Voltage Protection, Deep discharge protection
- Advanced technology optimizes battery life
- Automatic line-to-battery switch over

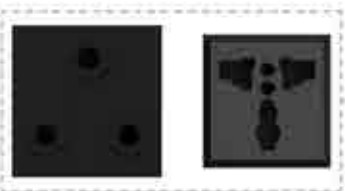
Introduction

SR1500 PLUS series is a pure sine wave inverter applied to TV, stereos, laptops, and desktop computers and other home appliances. It will automatically switch to inverter and provide power when AC is interrupted unexpectedly. It's perfect for the user who need a simple and economical inverter, with user-friendly installation and setting.

Back panel printing description

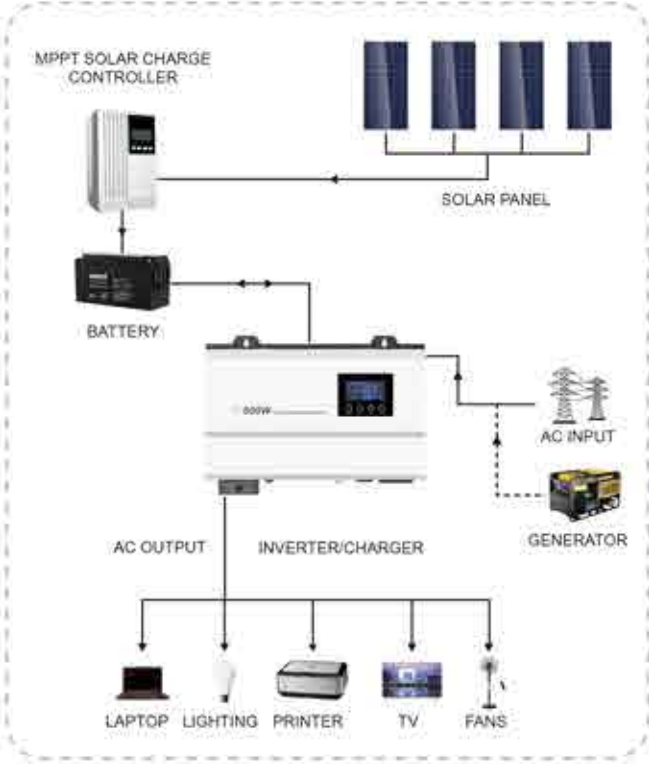


- 1. DC Input
- 2. ON / OFF
- 3. USB-A WIFI communication
- 4. USB-B PC communication
- 5. RJ11 BMS Li battery Pack communication (optional)
- 6. AC Input
- 7. Output Socket (s)
- 8. Outside water temperature sensor (optional)
- 9. Outside water switch sensor (optional)



AC Output Socket types

Solar system connection



Specification

MODEL		SR15-0612 PLUS	
Nominal Battery System Voltage		12VDC	
INVERTER OUTPUT	Rated Power	600VA / 600W	
	Waveform	Pure Sine Wave	
	Nominal Output Voltage RMS	230VAC	
	Output Voltage Regulation	+10/-18%	
	Output Frequency	50Hz ±1Hz	
	Inverter Efficiency (Peak)	>90%	
	Line Mode Efficiency	>95%	
	Typical Transfer Time	<10ms typical, 15ms max	
AC INPUT	Voltage	230VAC	
	Voltage Range	184~278VAC	
	Frequency Range	50Hz ±10%	
BATTERY	Note: Below Parameters (PB) Lead-acid Battery / (LI) 4 series LiFePO4 Lithium Battery Pack		
	Nominal Input Voltage	12VDC	
	Low Battery Cutoff	10.5VDC(PB)	11.5VDC(LI)
	Low Battery Alarm	11.0VDC(PB)	12.0VDC(LI)
	Low Battery Voltage Recover	12.5VDC(PB)	12.8VDC(LI)
	High Voltage Alarm	14.7VDC(PB)	14.5VDC(LI)
	High Battery Voltage Recover	15.0VDC(PB)	14.8VDC(LI)
	CHARGER	Boost Voltage (Vbat<12.5V)	14.2VDC(PB)
Float Voltage (Vbat>12.5V)		13.8VDC(PB)	14.2VDC(LI)
Charging Current		15A±2A @ 12V	
Overcharge Protection S.D		15.5VDC	
BYPASS & PROTECTION	Nominal Input Frequency	50Hz	
	Overload Protection (SMPS Load)	FUSE	
	Output Short Circuit Protection	10A	
	Bypass Fuse Rating	10A	
	Max Bypass Current	10A	
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D) (mm)	320*231*96	
	Shipping Dimensions (W*H*D) (mm)	415*280*166	
	Shipping Weight (kg)	3	
OTHER	Operation Temperature Range	0°C to 40°C	
	Audible Noise	60dB MAX	
	Display	LED+LCD	
	Standard Warranty	1 year	
	Communication	PC \ WIFI \ BMS (BMS optional)	

High Frequency Power Inverter/Charger

SR1800 Series (1KW-5KW)



Features

- Pure sine wave inverter
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD setting
- Configurable AC Charger via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/ Over temperature/ short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

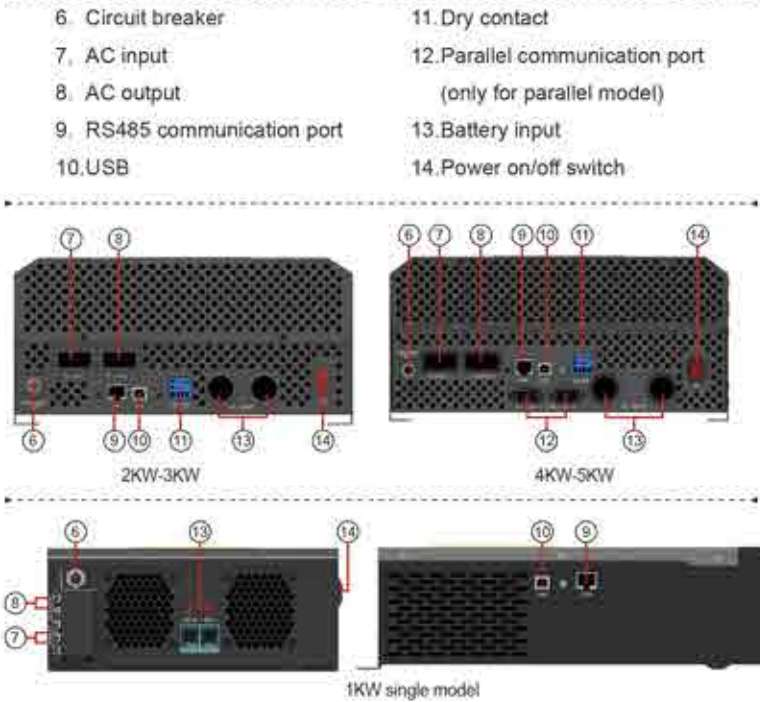
Introduction

This is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Back panel printing description

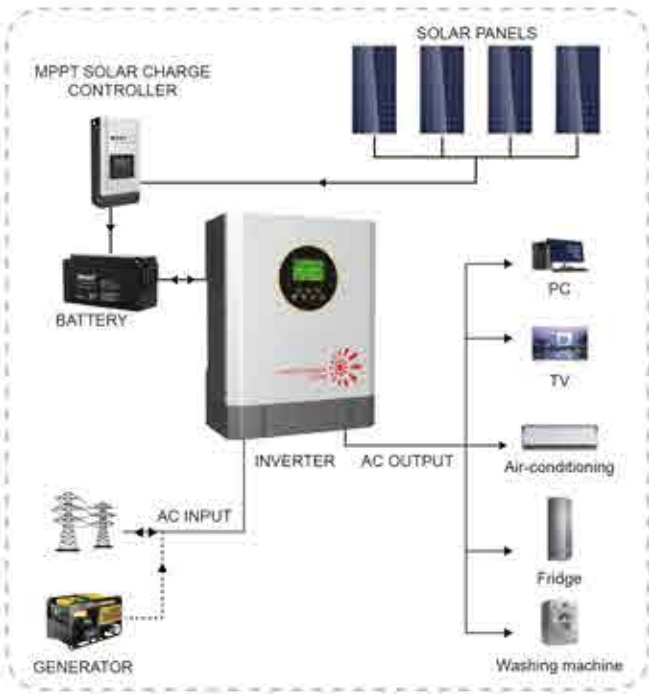


1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function button



6. Circuit breaker
7. AC input
8. AC output
9. RS485 communication port
10. USB
11. Dry contact
12. Parallel communication port (only for parallel model)
13. Battery input
14. Power on/off switch

Solar system connection



Specification

MODEL		SR18-1012	SR18-2024	SR18-3024	SR18-4048	SR18-5048
Nominal Battery System Voltage		12VDC	24VDC		48VDC	
INVERTER OUTPUT	Rated Power	1000W	2000W	3000W	4000W	5000W
	Surge Power	2000W	4000W	6000W	8000W	10000W
	Waveform	Pure sine wave				
	Output Voltage Regulation	230Vac±5%				
	Output Frequency	60Hz or 50Hz				
	Inverter Efficiency (Peak)	90%				
	Transfer Time	10ms typical (UPS,VDE); 20ms typical (APL)				
AC INPUT	Nominal Input Voltage	230VAC				
	Selectable Voltage Range	170~280VAC(UPS), 90~280VAC(APL), 184~253VAX(VDE)				
	Frequency Range	50Hz/60Hz (Auto sensing)				
BATTERY	Nominal voltage	12VDC	24VDC		48VDC	
	Floating Charge Voltage	13.7VDC	27.4VDC		54.8VDC	
	Overcharge Protection	15VDC	30VDC		60VDC	
CHARGER	Charging Current @ Nominal Input Voltage	10/20A	20/30A	20/30A	1~60A	
	Charging Algorithm	3-Step(Flooded Battery, AGM/Gel/LEAD Battery),4-Step(Li)				
	Max Charging Current	20A	30A	30A	60A	
	Default Charging Current	10A	20A	20A	30A	
PROTECTION	Nominal Input Frequency	50Hz / 60Hz (Auto detection)				
	Output Short Circuit Protection	Line mode: Circuit Breaker; Battery mode: Electronic Circuits				
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D) (mm)	240*316*95	272*355*100		297.5*468*125	
	Net Weight (kg)	5	6	6.8	11.5	12
	Shipping Dimensions (W*H*D) (mm)	410*300*178	356*272*135		488*295*141	
	Shipping Weight (kg)	6	7	8.0	10.0	10.5
OTHER	Operation Temperature Range	-10°C to 50°C				
	Storage temperature	-15°C~ 60°C				
	Audible Noise	60dB MAX				
	Display	LED+LCD				
	Standard Warranty	1 year				

Low Frequency Power Inverter/Charger

SR2000 Pro Series (300W-1000W)



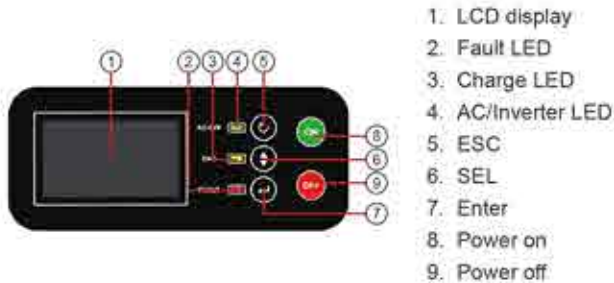
Features

- Rated power 300W to 1000W
- Pure sine wave output
- Smart LCD setting (frequency , charge voltage,charge current, etc)
- 3 steps charging algorithm
- Built in AVR function
- Overload and short-circuit protection
- Battery reverse polarity protection (Optional)
- Deep discharge protection
- Cold start function

Introduction

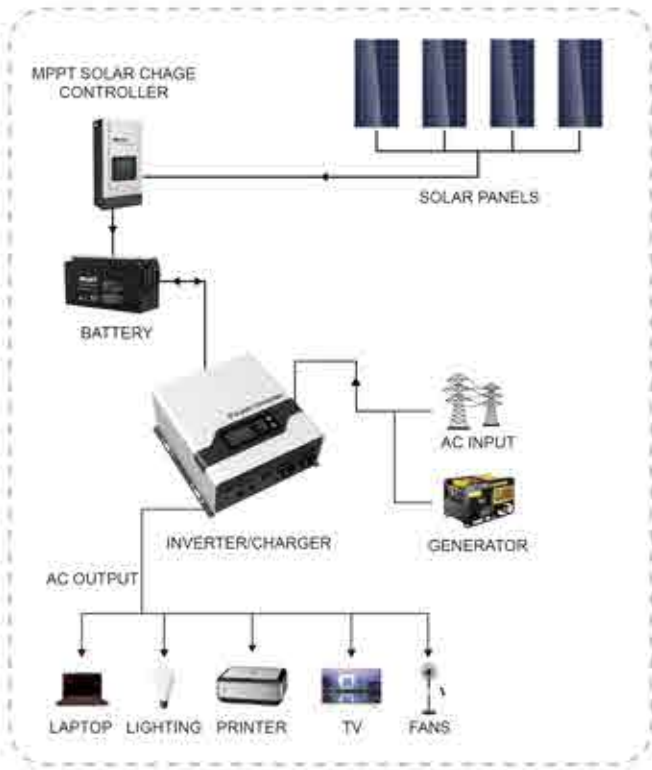
SR2000 PRO series inverter is a cost effective, intelligent with UPS function. The comprehensive LCD offers user-configurable and easy-accessible button adjustment such as battery charge current, battery charge voltage, frequency, buzzer etc. It's perfect for the user who need a simple and economical inverter,with user-friendly installation and setting.Tower and rack design available for different choices.

Back panel printing description



1. LCD display
2. Fault LED
3. Charge LED
4. AC/Inverter LED
5. ESC
6. SEL
7. Enter
8. Power on
9. Power off

Solar system connection



Specification

MODEL		SR20-0312 PRO	SR20-0412 PRO	SR20-0512 PRO	SR20-0612 PRO	SR20-0812 PRO	SR20-1012 PRO	SR20-0624 PRO	SR20-0824 PRO	SR20-1024 PRO
Default Battery System Voltage		12VDC						24VDC		
INVERTER OUTPUT	Rated Power	300W	400W	500W	600W	800W	1000W	600W	800W	1000W
	Surge Rating	900VA	1200VA	1500VA	1800VA	2400VA	3000VA	1800VA	2400VA	3000VA
	Waveform	Pure sine wave								
	Voltage Regulation	Battery mode: 220 or 230VAC Line mode: 220~240VAC								
	Output Frequency	50Hz / 60Hz								
	Invert Frequency (Peak)	>75%						>81%		
	Bypass Efficiency	>95%								
	Output Transfer Time	Typical:6ms 10ms(max)								
AC INPUT	Voltage	220 / 230 / 240VAC								
	Selectable Voltage Range	140~280VAC ±5%								
	Low Battery Alarm	140VAC ±5%								
	Low Voltage Recover	150VAC ±5%								
	High Battery Alarm	280VAC ±5%								
	High Voltage Recover	270VAC ±5%								
	Low Frequency Alarm	45 ±5Hz								
	Low Frequency Recover	46 ±5Hz								
	High Frequency Alarm	65 ±5Hz								
	High Frequency Recover	64 ±5Hz								
	Nominal Input Range	50Hz / 60Hz ±5Hz								
	AC Auto Restart	YES								
BATTERY	Minimum Start Voltage	Low Battery Voltage Cutoff+0.5V						Low Battery Voltage Cutoff+0.5V		
	Low Battery Alarm	Low Battery Voltage Cutoff+0.5V						Low Battery Voltage Cutoff+1.0V		
	Min battery voltage for power on	Shutdown voltage +0.5V						Shutdown voltage +1V		
	Low Battery Cutoff	10-12.0VDC						20.0-24.0VDC		
	High Battery Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC)								
AC CHARGE	Floating Voltage	13.5-14.5VDC						27-29VDC		
	Boost Voltage	13.8~14.5V						27.6~29V		
	Maximum Charge Current	300W 10A	400W 10A	500W 15A	600W 20A	800W 25A	1000W 30A	600W 10A	800W 15A	1000W 15A
BYPASS & PROTECTION	Input Waveform	Pure sine wave								
	Input Frequency	50Hz or 60Hz								
	Overload Protection	>110%~125% Load fault after 60s; >125%~150% Load fault after 3s; >150% Load fault after 500ms								
	Over Temperature Protection	≥90℃								
	Bypass Output Protection	10A 250VAC								
	Output Circuit Protection	YES								
	Battery Reverse Protection	Optional								
	Battery Low Voltage Protection	YES								
	Battery High Voltage Protection	YES								
	Bypass Breaker Rating	10A								
	Maximum Bypass Current	10A								
MECHANICAL SPECIFICATION	Dimensions(W*H*D) (mm)	300.5*319*132.2								
	(N.W)kg	300W 6.0	400W 8.2	500W 9.5	600W 10.6	800W 12.6	1000W 13.2	600W 10.6	800W 12.6	1000W 13.2
OTHER	Operating Temperature	0℃ ~40℃ 0~90% relative humidity (non-condensing)								
	Storage Temperature	-15℃ to 55℃								
	Altitude	≤1000M								
	Audible Noise	≤60dB								
	Display	LED+LCD								
	Cooling Mode	Fan cooling								
	Fan Starting	>45℃ starting, <30℃ Closing								
	Communication	USB								

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Low Frequency Pure Sine Wave Inverter

SR3000 PRO Series (8KW/10KW/12KW)

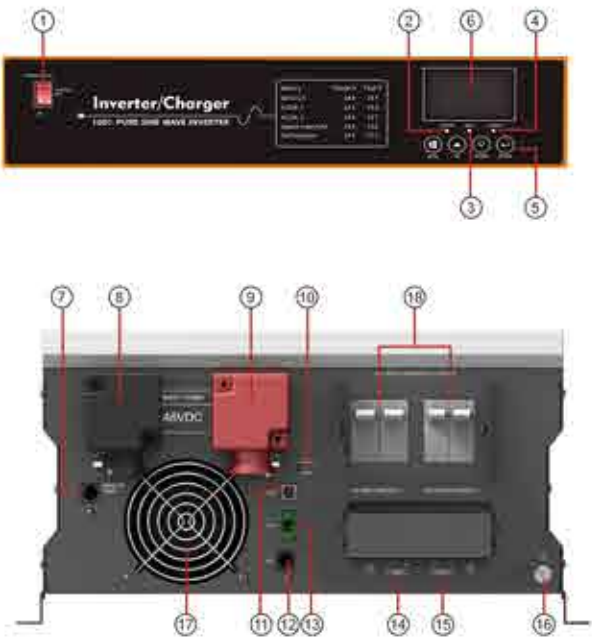


Features
Rated power 8KW to 12KW
Pure sine wave output
Max 140A automatic 3-stage battery charger
Charger current is Adjustable (0-100%)
Automatically send signal to start generator
Supporting USB communication and BTS & AGS port
Battery/AC priority

Introduction

Low frequency pure sine wave combined inverter&A/C charger EP3000 PRO Series 8 -12kw; Quiet,high efficiency operation front panel LED+LCD indicators and adjustable switch selectors selectable settings for flooded lead acid,Gel,or absorbed glass mat(AGM) batteries. Mainly for home and office appliances such as TV, refrigerator, fans lights and computers etc.

Back panel printing description



1. Power saver on/off switch

2. Inverter indicator

3. Grid indicator

4. Fault indicator

5. Function

6. LCD display

7. Remote panel
8. BAT-

9. BAT+

10. WIFI Communication port

11. USB Communication port

12. BTS Communication port

13. AGS Communication port

14. AC input
15. AC output

16. Ground

17. FAN

18. AC input/output breaker

Solar system connection



Specification

MODEL		SR30-8KW PRO	SR30-10KW PRO	SR30-12KW PRO
Nominal Battery System Voltage		48VDC	48VDC	48VDC
INVERTER OUTPUT	Continuous output power	8.0KW	10.0KW	12.0KW
	Surge rating	24000VA	30000VA	36000VA
	Capable Of Starting Electric Motor	4HP	5HP	6HP
	Output waveform	Pure sine wave / same as input (bypass mode)		
	Inverter Efficiency(Peak)	>88%		
	Line mode efficiency	>95%		
	Power factor	1.0		
	Nominal output voltage RMS	220V / 230V / 240VAC ±10% (RMS)		
	Output frequency	50Hz		
	Short circuit protection	Yes (1sec after fault)		
AC INPUT	Typical transfer time	10ms(max)		
	Voltage	90-280VAC		
	Selectable Voltage Range	170-280VAC(For Personal Computers)		
BATTERY	Frequency Range	50Hz / 60Hz		
	Minimum start voltage	40.0V±0.6 / 42.0V±0.6		
	Low battery alarm	42-50VDC		
	Low battery Cutoff	40.0V±0.6 / 42.0V±0.6		
	High voltage alarm	60VDC		
	High battery voltage recover	57VDC		
	Idle consumption-search mode	<60W when power saver on		
CHARGER	Output voltage	Depends on battery type		
	Charger AC input breaker rating	80A		
	Max charge power rate	1/3 Rating power		
	Overcharge protection S.D.	62.8VDC		
BTS	Maximum Charge Current	100A	120A	140A
	Temperature rate @25°C	4mv charging voltage descent, per 1°C rise		
BYPASS & PROTECTION	Input voltage waveform	Sine wave (grid or generator)		
	Nominal voltage	220V / 230V / 240VAC		
	Max input AC voltage	300VAC for 230VAC HV mode		
	Nominal input frequency	50Hz or 60Hz		
	Overload protection (SMPS load)	Circuit breaker		
	Output short circuit protection	Circuit breaker		
	Bypass breaker rating	63A		
	Max bypass current	63Amp		
MECHANICAL SPECIFICATIONS	Mounting	Wall mount		
	Inverter dimensions (W*H*D) (mm)	670*410*215		
	Inverter weight (solar chg) (kg)	67.5	74	74
	Shipping dimensions (W*H*D) (mm)	802*533*429.5		
	Shipping weight (solar chg) (kg)	87	93.5	93.5
OTHER	Operation Temperature Range	0°C to 40°C		
	Storage Temperature	-15°C to 60°C		
	Audible Noise	60dB MAX		
	Display	LED+LCD		
	Loading(20GP/40GP/40HQ)	200pcs / 400pcs / 500pcs		

The technical specifications of this document are subject to change without any notice

Low Frequency Power Inverter/Charger

SR3000 LV2 Series (1KW-6KW)



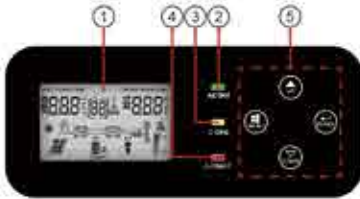
Features

- Pure sine wave output
- Friendly user interface
- 3 Steps charging
- MFD (multi-function display)
- Overload and short-circuit protection
- Set charging voltage/charging current.
- Battery low voltage shutdown point can be set to 10/10.5/11V
- Power-save mode
- Set utility priority/ Battery priority
- Set utility input wide/narrow range
- Inverter voltage can be set to 110V/115V/120V
- Inverter frequency can be set to 50/60Hz
- Set utility charging on/off switch

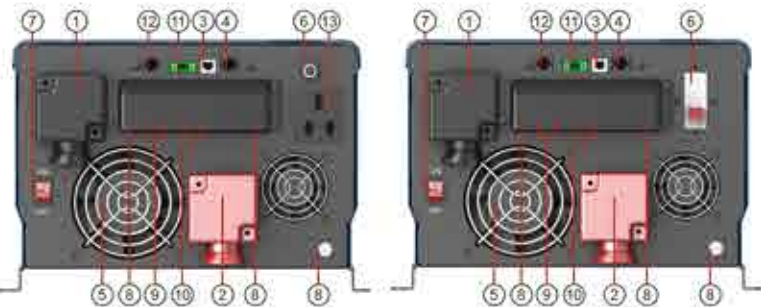
Introduction

SR3000 LV2 series is very economical pure sine wave inverter, special in north & south america market, and AC charger from 35A to 70A. Solar/AC priority configurable. When solar priority, in case its charge current lower than inverter's charger from AC, AC will supplement to charge the batteries, to optimize charging. With low frequency transformer, it enable the inverter to operate with all kinds of home appliances.

Back panel printing description



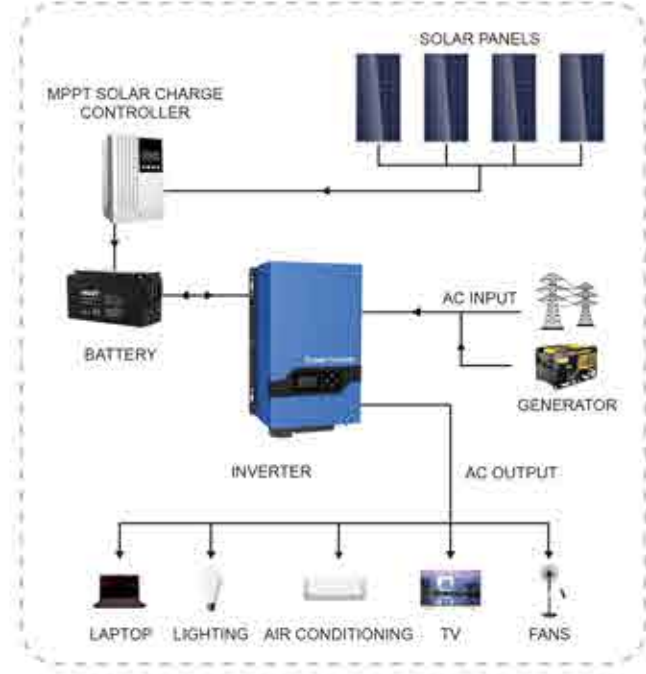
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[EP3000 LV2 1-3K] [EP3000 LV2 4-6K]

1. BAT -
2. BAT +
3. USB
4. Remote port
5. FAN
6. Charger input protect
7. Power on/off switch
8. GND
9. AC input
10. AC output
11. AGS
12. BTS
13. AC Output 10A(MAX)
14. PV input

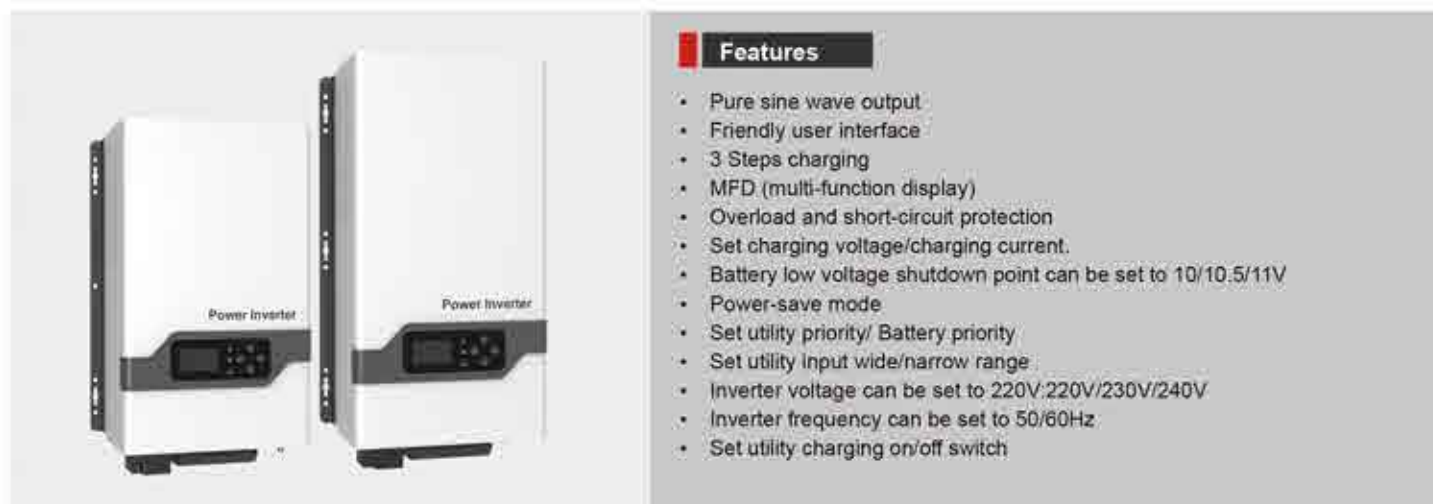
Solar system connection



Specification

MODEL		SR30-1KW LV2		SR30-1.5KW LV2		SR30-2KW LV2		SR30-3KW LV2		SR30-4KW LV2		SR30-5KW LV2		SR30-6KW LV2					
Nominal Battery System Voltage		12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	24VDC	48VDC	24VDC	48VDC	48VDC	48VDC	48VDC	48VDC				
INVERTER OUTPUT	Rated Power	1.0KW		1.5KW		2KW		3KW		4KW		5KW		6KW					
	Surge Rating	3000VA		4500VA		6000VA		9000VA		12000VA		15000VA		18000VA					
	Capable Of Starting Electric Motor	1HP						2HP				3HP							
	Waveform	Pure sine wave/ same as input (bypass mode)																	
	Nominal Output Voltage RMS	110V/115V/120VAC ±10% (RMS)																	
	Output Frequency	50Hz/60Hz±0.3 Hz																	
	Inverter Efficiency(Peak)	>88%																	
	Line Mode Efficiency	>95%																	
	Power Factor	1.0																	
	Typical Transfer Time	10ms(max)																	
AC INPUT	Voltage	120VAC																	
	Selectable Voltage Range	80~135VAC(For Personal Computers)																	
	Frequency Range	50Hz/60Hz (Auto sensing) 40~80Hz																	
BATTERY	Minimum Start Voltage	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																	
	Low Battery Alarm	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																	
	Low Battery Cut off	10V / 10.5V / 11V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																	
	High Voltage Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																	
	High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																	
	Idle Consumption-Search Mode	Load ≤50±20W(120V)																	
	CHARGER	Output Voltage	Depends on battery type																
Charger AC Input Breaker Rating		1K/12A		1.5K/16A		2K/30A		3K/40A		4-6KW/63A									
Overcharge Protection S.D.		15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)																	
Maximum Charge Current		30A	20A	45A	25A	60A	30A	40A	20A	60A	30A	35A	40A	40A	40A				
BYPASS & PROTECTION	Input Voltage Waveform	Sine wave (grid or generator)																	
	Nominal Input Frequency	50Hz or 60Hz																	
	Overload Protection (SMPS Load)	Circuit breaker																	
	Output Short Circuit Protection	Circuit breaker																	
	Bypass Breaker Rating	10A		30A				40A											
	Max Bypass Current	30Amp						40Amp											
MECHANICAL SPECIFICATIONS	Mounting	Wall Mount																	
	Dimensions (W*H*D) (mm)	302.8*460*199.8									305.4*531*200.3								
	Net Weight (Solar CHG) (kg)	16.5		17		21.1		20		24.5		24.8		38.2		35.8		45	
	Shipping Dimensions(W*H*D) (mm)	464.8*563*312.8									466.4*671*325.3								
	Shipping Weight (Solar CHG) (kg)	19.3		20		24.1		22.8		27.5		27.5		42.3		40		49.3	
OTHER	Operation Temperature Range	0°C to 40°C																	
	Storage Temperature	-15°C to 60°C																	
	Audible Noise	60dB MAX																	
	Display	LED+LCD																	
	Standard Warranty	1 year																	

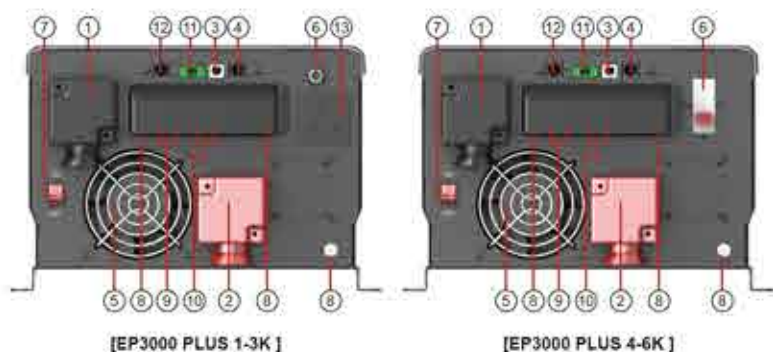
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Introduction

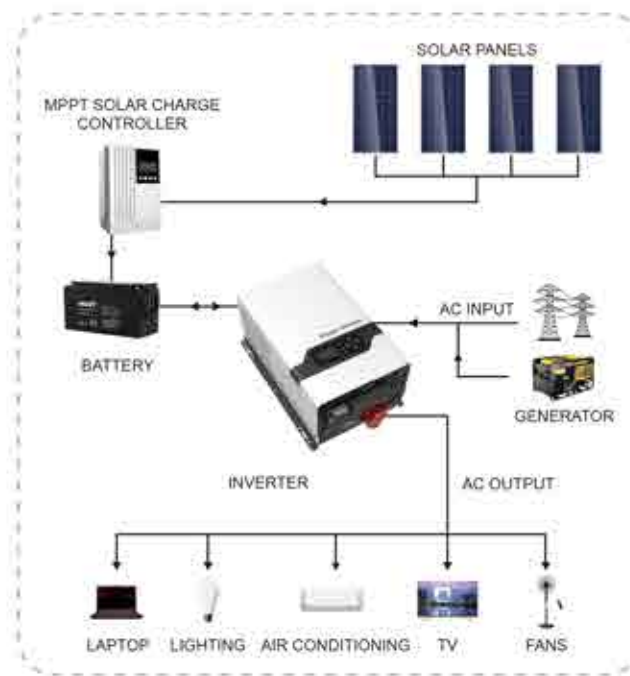
SR3000 PLUS series is a very economical pure sine wave inverter, with AC charger from 20A to 60A; Solar/AC priority is configurable, when setting solar priority, solar will charge batteries as first priority, and AC can also charge batteries when solar charger current is too lower. With pure copper transformer, it enables inverter to operate with all kinds of home appliances.

Back panel printing description



- | | |
|--------------------------|------------------------|
| 1. BAT - | 8. GND |
| 2. BAT + | 9. AC input |
| 3. USB | 10. AC output |
| 4. Remote port | 11. AGS |
| 5. FAN | 12. BTS |
| 6. Charger input protect | 13. AC Output 10A(MAX) |
| 7. Power on/off switch | 14. PV input |

Solar system connection



Specification

MODEL		SR30-1KW PLUS		SR30-1.5KW PLUS		SR30-2KW PLUS		SR30-3KW PLUS		SR30-4KW PLUS		SR30-5KW PLUS		SR30-6KW PLUS							
Nominal Battery System Voltage		12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	24VDC	48VDC	24VDC	48VDC	48VDC		48VDC							
INVERTER OUTPUT	Rated Power	1KW		1.5KW		2KW		3KW		4KW		5KW		6KW							
	Surge Rating	3000VA		4500VA		6000VA		9000VA		12000VA		15000VA		18000VA							
	Capable Of Starting Electric Motor	1HP		1HP		1HP		2HP				3HP									
	Waveform	Pure sine wave / same as input (bypass mode)																			
	Nominal Output Voltage RMS	220V / 230V / 240VAC ±10% (RMS)																			
	Output Frequency	50Hz / 60Hz ±0.3Hz																			
	Inverter Efficiency (Peak)	>88%																			
	Line Mode Efficiency	>95%																			
	Power Factor	1.0																			
	Typical Transfer Time	10ms(max)																			
AC INPUT	Voltage	230VAC																			
	Selectable Voltage Range	96~132VAC 155~280VAC(For personal computers)																			
	Frequency Range	50Hz / 60Hz(Auto sensing) 40~80Hz																			
BATTERY	Minimum Start Voltage	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																			
	Low Battery Alarm	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																			
	Low Battery Cut Off	10V / 10.5V / 11V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																			
	High Voltage Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																			
	High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																			
	Idle Consumption-Search Mode	Load ≤100±20W(220V)																			
	Output Voltage	Depends on battery type																			
CHARGER	Charge AC Input Breaker Rating	230V	1-1.5K/10A				2-3K/30A				4-6K/40A										
	Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)																			
	Maximum Charge Current	30A	20A	45A	25A	60A	30A	40A	20A	60A	30A	35A	40A								
	Input Voltage Waveform	Sine wave (grid or generator)																			
BYPASS & PROTECTION	Nominal Input Frequency	50Hz or 60Hz																			
	Overload Protection (SMPS Load)	Circuit breaker																			
	Output Short Circuit Protection	Circuit breaker																			
	Bypass Breaker Rating	230V	1-3K/30A								4-6K/40A										
	Max Bypass Current	30A																			
	Mounting	Wall Mount																			
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D) (mm)	302.8*460*199.8								305.4*531*200.3											
	Net Weight (Solar CHG)(kg)	16.5		17		21.1		20		24.5		24.8		38.2		35.8		45		45	
	Shipping Dimensions (W*H*D) (mm)	464.8*563*312.8								466.4*671*325.3											
	Shipping Weight (Solar CHG)(kg)	19.3		20		24.1		22.8		27.5		27.5		42.3		40		49.3		49.3	
	OTHER	Operation Temperature Range	0°C to 40°C																		
Storage Temperature		-15°C to 60°C																			
Audible Noise		60dB MAX																			
Display		LED+LCD																			
Standard Warranty		1 year, 2 or 3 years optional (IP20)																			

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Low Frequency Pure Sine Wave Split Phase Inverter Charger

SR3300 TLV Series (1KW-6KW)

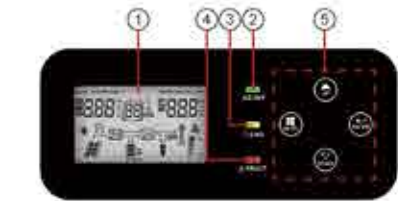


- Features
- Pure sine wave output, split phase HOT1+ N + HOT2 available, 120VAC/220VAC
 - MFD (multi-function display) & Friendly user interface
 - 3 Steps optimizing charge for battery pack
 - Overload and short-circuit protection
 - Settable: charging/charging current, utility/Battery priority, utility input wide/narrow range
 - Inverter voltage can be set to 100V/110V/120V
 - Inverter frequency can be set to 50/60Hz

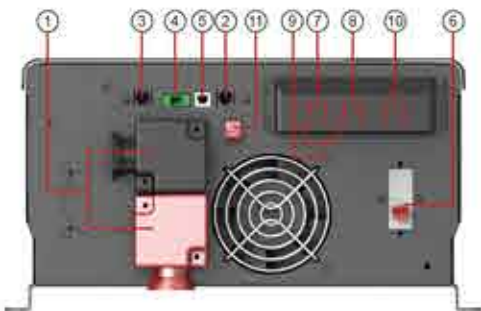
Introduction

This split phase inverter SR3300 TLV series, capacity from 1KW-6KW, DC 12V/24V/48V, it's applicable to 110VAC/120VAC markets demands, which matches AC 110VAC/120V single phase, or two phase 220V/240V; In LCD display, you can set output voltage, frequency, charging voltage, charging current to design best use based on different loads applications; meanwhile, you can also connect extra solar charge controller to build a solar home system, take use of sunshine freely and save electricity bills.

Back panel printing description



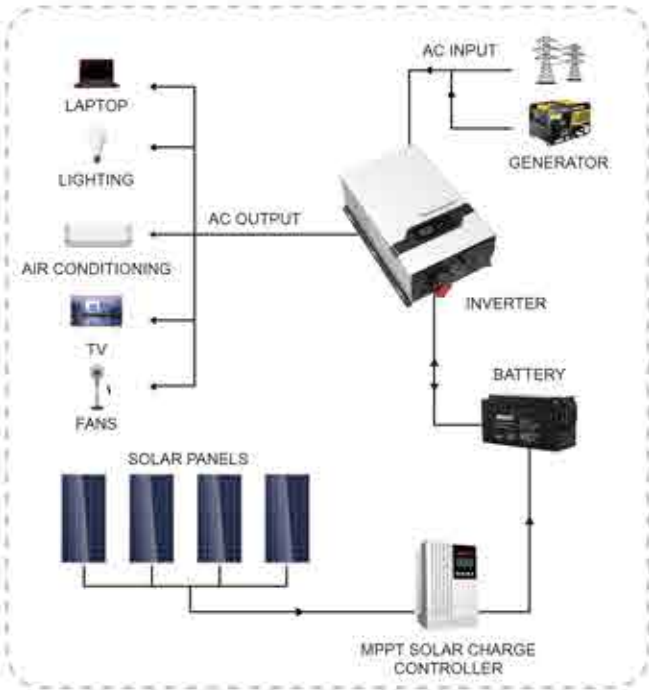
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[SR3300 TLV 4-6K]

1. Battery +/-
2. Remote port
3. BTS
4. AGS
5. USB
6. AC input protect: Input protect breaker
7. AC Output: HOT1 - HOT2 200VAC/220VAC/240VAC
8. AC Output: HOT2 - N 100VAC/110VAC/120VAC
9. AC Input: HOT1 - HOT2 200VAC/220VAC/240VAC
10. AC Input: HOT1 - HOT2 200VAC/220VAC/240VAC
11. Switch on/off

Solar system connection



Specification

MODEL		SR33-1012 TLV	SR33-1024 TLV	SR33-1512 TLV	SR33-1524 TLV	SR33-2012 TLV	SR33-2024 TLV	SR33-3024 TLV	SR33-3048 TLV	SR33-4024 TLV	SR33-4048 TLV	SR33-5048 TLV	SR33-6048 TLV
Inverter Output	Rated power	1KW		1.5KW		2KW		3KW		4KW		5KW	6KW
	Surge rating	3000VA		4500VA		6000VA		9000VA		12000VA		15000VA	18000VA
	Capable of starting electric motor	1P		1P		1.5P		1.5P		2P		3P	
	Power factor	1											
	Wave form	Pure sine wave / Same as input wave form (bypass mode)											
	Output voltage RMS	100V / 110V / 120VAC (200V / 220V / 240VAC) ±10%											
	Output frequency	50Hz or 60Hz (±0.3Hz) (can be set)											
	Overload protection	Breaker + software protection											
	Output short circuit	Breaker + software protection											
	Inverter efficiency (peak)	>80%											
	Overload	100% < Load < 110% (alarm 5min then stop output and fault code 07) 110% < Load < 125% (alarm 60s then stop output and fault code 07) Load > 125% (alarm 10s then stop output and fault code 07)											
Battery	Battery voltage	12VDC / 24VDC						24VDC / 48VDC				48VDC	
	Minimum start voltage	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Low battery voltage cut off	10V / 10.5V / 11V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Low battery voltage alarm	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	High battery voltage alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Save mode	Load ≤50±20W(120V)/100±20W(220V)											
AC Input Mode	Input waveform	Pure sine wave											
	Nominal input voltage	200Vac / 220Vac / 240Vac											
	Max input voltage	270Vac MAX											
	Input frequency	50Hz / 60Hz (auto sensing)											
	Efficiency (AC mode)	>95% (load, full battery)											
	Transfer time AC to DC	15ms(max)											
	Transfer time DC to AC	15ms(max)											
Charge Mode	Boost voltage	14.1V(Default) Range of adjustment 13.8-14.5V / *2 for 24VDC / *4 for 48VDC (Regulation step 0.1V)											
	Float voltage	13.5V(Default) Range of adjustment 13.5-13.7V / *2 for 24VDC / *4 for 48VDC (Regulation step 0.1V)											
	12V	30A		45A		60A		/		/		/	
	24V	20A		25A		30A		40A		60A		/	
	48V	/		/		/		20A		30A		35A	
			Min charge current 10A. Change by every 5A										
Dimensions	Dimensions (W*H*D) (mm)	359.2*443*188								361.8*543.5*188			
	Ship Dimensions (W*H*D) (mm)	463.2*574*308								465*674.5*608			
	Warranty	One year (standard), 2 years optional (IP20)											

High Frequency Pure sine Wave Power inverter

SR5000 Series (3KW-5KW)



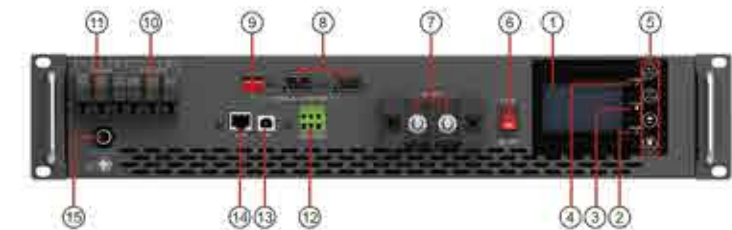
Features

- Pure sine wave inverter
- Configurable input voltage range For home appliances and personal computers via LCD setting Configurable battery charging current based on applications via LCD setting
- Configurable AC Charger via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/Over temperature/short circuit protection
- Smart battery charger design For optimized battery performance
- Cold start Function

Introduction

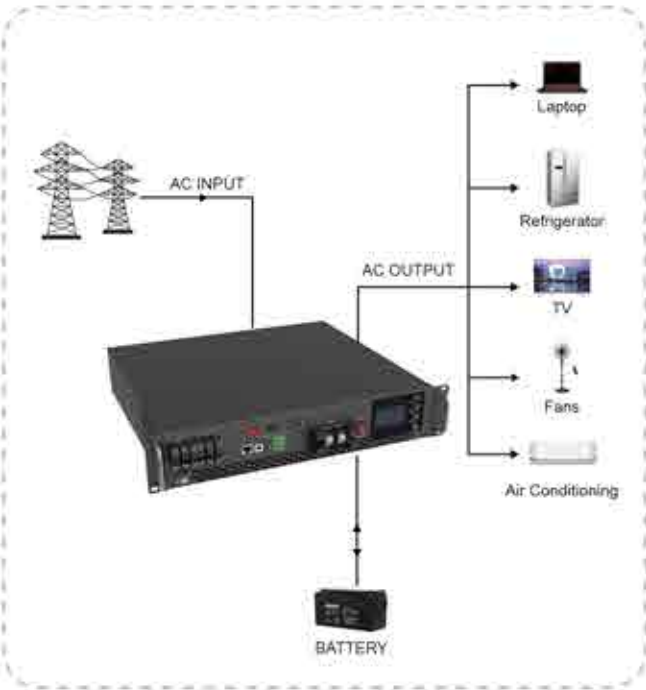
This is a multi-function inverter/charger combining Functions of inverter, battery charger to offer uninterruptible power with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC charger, and acceptable input voltage based on different applications.

Back panel printing description



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. Battery input
8. Parallel communication port (only for parallel model)
9. Parallel switch
10. AC output
11. AC input
12. Dry contact
13. USB
14. RS485 communication port
15. Circuit Breaker

Solar system connection



Specification

MODEL			SR50-3KW	SR50-4KW	SR50-5KW
Rated output power			3000W	4000W	5000W
AC INPUT	Nominal Input Voltage		220Vac		
	Selectable Voltage range		AC 185V~270V		
	Frequency Range		50Hz/60Hz (Auto sensing)		
	Inverter Efficiency(Peak)		97%		
INVERTER OUTPUT	Output voltage waveform		Pure sine wave		
	Output Voltage Regulation		220Vac ± 5%		
	Output Frequency		50Hz		
	Power Factor		1		
	Transfer Time		10ms typical		
	Peak Efficiency		92%		
	Nominal DC Input Voltage		48VDC		
	Cold Start Voltage		46VDC		
	Output Short Circuit Protection	Line mode	Circuit Breaker		
		Battery mode	Electronic Circuits		
BATTERY	Battery voltage		48VDC (±0.5)		
	Floating voltage		54V		
CHARGER	Charging Current(UPS) @Nominal Input Voltage		Default:30A; MAX:60A		
	Bulk Charging Voltage		56.4Vdc		
	Floating Charging Voltage		54Vdc		
	Charging Algorithm		3-Step		
GENERAL	Mounting		Rack mount		
	Display		LED+LCD		
	Safety Certification		CE		
	Operation Temperature Range		0℃ to 40℃		
	Storage Temperature		-15℃ to 60℃		
	Dimensions (W*H*D)(mm)		400×468×86.3		
	Net Weight (kg)		10.0		

High Frequency Off Grid Solar Inverter

SR1300 Series (1KVA-1.5KVA)



Features

- Simulated sine wave inverter
- Built-in 50A PWM Solar Charge Controller
- MFD (multi-function display)
- 20A standard charging current from utility
- AC/solar priority for output via MFD
- 3 steps charging algorithm
- Overload & short-circuit protection
- Battery reverse polarity protection
- Deep discharge protection
- Auto restart while AC/solar is recovering

Introduction

SR1300 is a cost effective , intelligent hybrid off grid solar inverter with power range 1000VA 1500VA. The LCD display offers friendly user-configurable button adjustment such as input voltage setting, AC/solar charger priority , mute setting. When battery voltage is low, it's will automatically switch to AC grid to supply continuous power to the loads. It suitable for personal home use.

Back panel printing description



1. Output Receptacle (s)
2. LCD display
3. Status indicators
4. Setting button
5. Power switch
6. External battery connectors
7. FAN
8. Solar panel terminal
9. Input circuit breaker (plastic case)
- 10.AC input

Solar system connection



Specification

MODEL			SR13-1012	SR13-1512	SR13-1024	SR13-1524
Nominal Battery System Voltage			12VDC	12VDC	24VDC	24VDC
INVERTER OUTPUT	Rated Power		1000VA/600W	1500VA/1000W	1000VA/600W	1500VA/1000W
	Waveform		Simulated Sine-wave			
	Nominal Output Voltage RMS		230V			
	Output Voltage Regulation		+10/-18%			
	Output Frequency		50Hz/60Hz ±1 Hz			
	Inverter Efficiency(Peak)		>80%			
	Line Mode Efficiency		>98%			
	Typical Transfer Time		Typical 6~8ms 10ms max			
AC INPUT	Voltage		230VAC			
	Selectable Voltage Range	Narrow	175~260VAC			
		Wide	140~270VAC			
	Frequency Range		40Hz-70Hz (Auto sensing)			
BATTERY	Nominal Input Voltage		12VDC		24VDC	
	Minimum Start Voltage		10.5VDC		21.0VDC	
	Low Battery Alarm		10.5VDC		21VDC	
	Low Battery Cutoff		10.0VDC		20.0VDC	
	High Voltage Cutoff		15.5VDC (max)		31.0VDC (max)	
SOLAR CHARGER & AC CHARGER	Maximum PV Charge Current		50A (max)			
	Maximum PV Array Power		450W/750W		900W/1500W	
	PWM Range @ Operating Voltage		16~55VDC			
	Maximum PV Array Open Circuit Voltage		55VDC			
	Maximum Efficiency		>95%			
	Standby Power Consumption		<2W			
	AC Charger Voltage		14.4V(max)		28.8V(max)	
	AC Charging Current		10A / 20A			
BYPASS & PROTECTION	Nominal Input Frequency		40Hz – 70Hz			
	Overload Protection (SMPS Load)		FUSE			
	Output Short Circuit Protection		FUSE			
	Bypass Fuse Rating		10A			
	Max Bypass Current		10Amp			
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)		231*290*92mm			
	Package Dimensions (W*H*D)		595*375*315mm			
	Net Weight (kg)		2.8		4	
	Gross Weight (kg)		3.5		4.7	
OTHER	Operation Temperature Range		0°C~50°C			
	Audible Noise		50dB MAX			
	Display		LED+LCD			
	Loading(20GP/40GP/40HQ)		1700pcs / 4100pcs			

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High Frequency Off Grid Solar Inverter

SR1800 Series (8KW-10KW)

Features

- Pure sine wave inverter
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD setting
- Configurable AC/Solar Charger priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/ Over temperature/ short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

Introduction

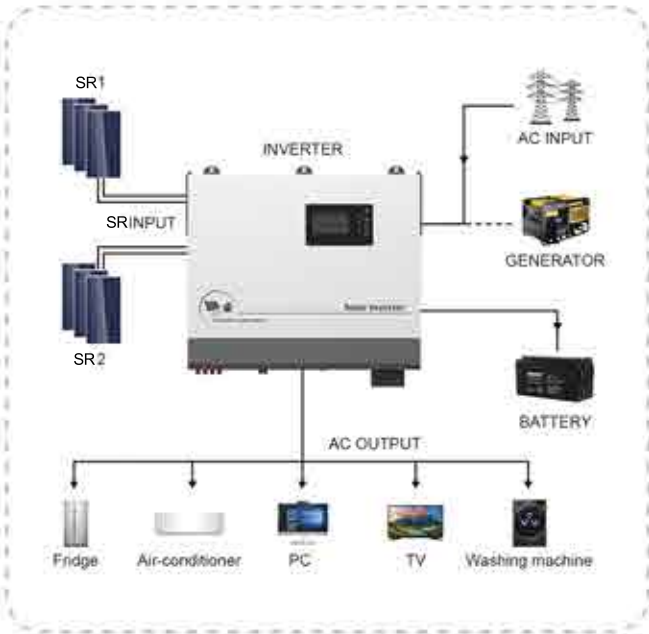
This is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Back panel printing description

1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons

6. Power On/Off Switch
7. AC Input
8. AC Output
9. Ground
10. SR1 Input
11. SR2 Input
12. Battery Input
13. Circuit breaker
14. RS-485 Communication port
15. USB
16. Dry Contact

Solar system connection



Specification

MODEL		SR18-8048	SR18-10048
Nominal Battery System Voltage		48VDC	
INVERTER OUTPUT	Rated Power	8000W	10000W
	Surge Power	16000W	20000W
	Waveform	Pure Sine Wave	
	AC Voltage Regulation (Batt.Mode)	230VAC±5%	
	Output Frequency	60Hz or 50Hz	
	Inverter Efficiency(Peak)	93%	
	Transfer Time	10ms (UPS) 20ms (APL)	
AC INPUT	Nominal Input Voltage	230VAC	
	Max AC Input Voltage	300VAC	
	Selectable Voltage Range	170~280VAC (UPS) / 90~280VAC (APL) / 184~253VAC(VDE4105)	
	Frequency Range	50Hz / 60Hz(Auto detection)	
BATTERY	Normal Voltage	48VDC	
SOLAR CHARGER & AC CHARGER	Charging Current	2-120A	
	Maximum PV Array Open Circuit Voltage	145VDC	
	PV Array Open Circuit Voltage	60-130VDC	
	Cold Start Voltage	46.0VDC	
	Solar Charging Current	160A	
	Default Charging Current	160A	
	Maximum Charge Current	280A	
	Charging Algorithm	3-step (Flooded Battery / AGM / GEL/ LEAD Battery), 4-step(LI)	
MECHANICAL SPECIFICATIONS	Machine Dimensions(W*H*D)(mm)	503*600*141.2	
	Net Weight(kg)	21.0	
OTHER	Safety Certification	CE	
	Operating Temperature	0°C~50°C	
	Storage Temperature	-15°C ~60°C	

Pure Sine wave High Frequency solar Inverter(450V)

SR1800 PRO Series (3KW-5.2KW)



Features

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc)
- Built-in MPPT solar charge controller
- MAX PV Array Open Circuit Voltage: 450V
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- Parallel operation with up to 3 units
- WIFI remote monitoring (optional)

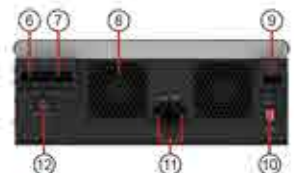
Introduction

SR1800 PRO is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. SR1800 PRO Series can run without battery. The Maximum SR array open circuit voltage can reach 450V and MPPT voltage is 150~430Vdc, which Can help customers make full use of solar energy.

Back panel printing description



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons

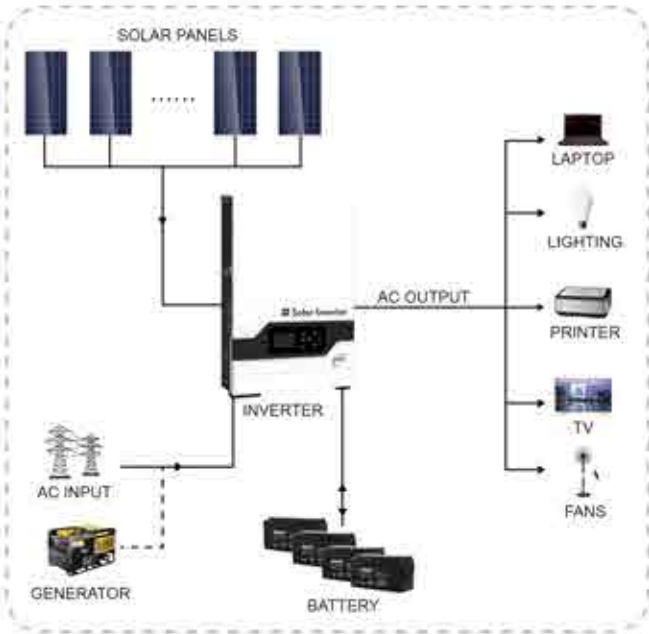


6. AC Input
7. AC Output
8. FAN
9. PV Input
10. Power On/Off Switch
11. Battery Input
12. Circuit breaker



13. Dry Contact
14. USB
15. RS-485 Communication port
16. USB WiFi
17. Parallel switch
18. Parallel communication port

Solar system connection



Specification

MODEL		SR18-3024 PRO	SR18-5248 PRO
Nominal Battery System Voltage		24VDC	48VDC
INVERTER OUTPUT	Rated Power	3000VA / 3000W	5200VA / 5200W
	Surge Power	6000W	10400W
	Waveform	Pure sine wave	
	AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)	
	Inverter Efficiency(Peak)	93%	
	Transfer Time	10ms (UPS / VDE4105) / 20ms (APL)	
AC INPUT	Voltage	230VAC±5%	
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE4105)	
	Frequency Range	50Hz / 60Hz(Auto sensing)	
BATTERY	Normal voltage	24VDC	48VDC
	Floating Charge Voltage	27.4VDC	54.8VDC
	Overcharge Protection	30VDC	60VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	450VDC	
	Maximum PV current	18A	
	PV Array MPPT Voltage Range	150~430 VDC	
	Maximum Solar Charge Current	80Amp	
	Maximum AC Charge Current	60Amp	
	Maximum Charge Current	80Amp	
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	322*486*134	309*505*147
	Package Dimensions (W*H*D)(mm)	445*671*275	439*659*277
	Net Weight(kg)	11	12
	Gross Weight(kg)	12	13.5
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)	
	Operating Temperature	0°C~50°C	
	Storage Temperature	-15°C ~60°C	

High Frequency Solar Inverter

SR1800 VPK Series (1KW-5KW)



Features

- Pure sine wave output
- Smart LCD setting(Working modes, Charge Current, Charge Voltage, etc.)
- Built-in PWM 50A/60A solar charge controller
- New SUB working mode(Solar-Utility-Battery working mode)
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and deep discharge protection
- Parallel operation with up to 3 units (Available for 4KW/5KW only)
- Cold start function
- Support USB, RS485 monitoring function
- WIFI remote monitoring (optional)
- Compatible to generator

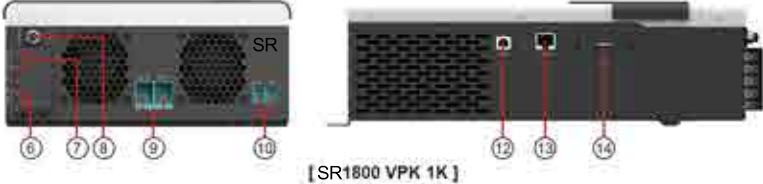
Introduction

SR1800 VPK is a multi-function inverter/charger, combining functions of inverter, PWM solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

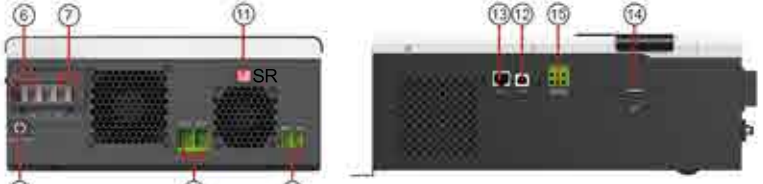
Back panel printing description



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[SR1800 VPK 1K]



[SR1800 VPK 2-3K]

6. AC Input

7. AC Output

8. Circuit breaker

9. Battery Input

10. SR Input
11. Power On/Off Switch

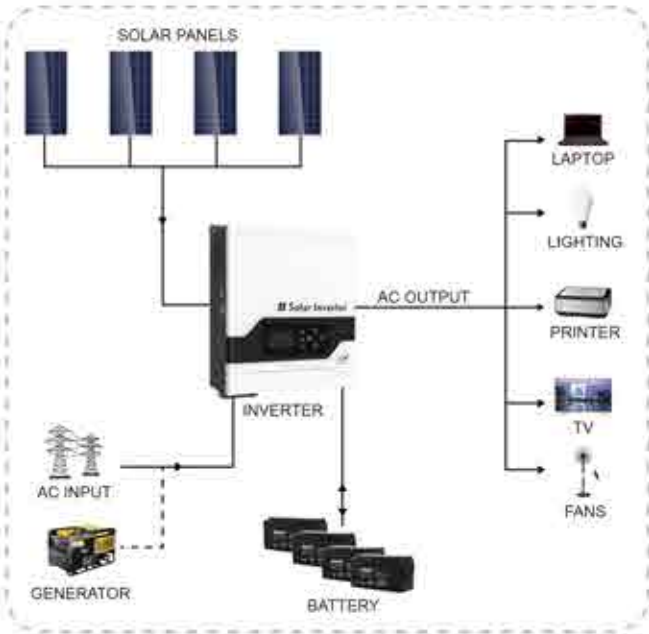
12.USB

13.RS-485 Communication port

14.USB WiFi

15.Dry Contact

Solar system connection



Specification

MODEL		SR18-1012 VPK	SR18-2024 VPK	SR18-3024 VPK	SR18-4048 VPK	SR18-5048 VPK
Nominal Battery System Voltage		12VDC	24VDC		48VDC	
INVERTER OUTPUT	Rated Power	1000W	2000W	3000W	4000W	5000W
	Surge Power	2000W	4000W	6000W	8000W	10000W
	Waveform	Pure sine wave				
	AC Voltage Regulation (Batt.Mode)	(220VAC~240VAC)±5%				
	Inverter Efficiency(Peak)	93%				
	Transfer Time	10ms (UPS / VDE4105) 20ms (APL)				
AC INPUT	Voltage	230VAC				
	Selectable Voltage Range	170~280VAC(For personal computer) / 90~280VAC(For home appliances) / 184~253VAC(VDE4105)				
	Frequency Range	50Hz / 60Hz(Auto sensing)				
BATTERY	Normal voltage	12VDC	24VDC		48VDC	
	Floating Charge Voltage	13.7VDC	27.4VDC		54.8VDC	
	Overcharge Protection	15.5VDC	30VDC		60VDC	
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	55VDC	75VDC	80VDC	105VDC	
	Standby Power Consumption	2W	2W		2W	
	(PWM)Maximum Solar Charge Current	50A	50A	60A	60A	
	Maximum AC Charge Current	10A or 20A	10A or 20A	20A or 30A	60A	
	Maximum ChargeCurrent	70A	70A	80A	120A	
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	224*337*98	290*342*125		297.5*468*125	
	Package Dimensions (W*H*D)(mm)	372*387*211	438*400*256		618*415*261	
	Net Weight(kg)	5.0	5.5	7.8	12	
	Gross Weight(kg)	6.0	6.5	10.3	13.5	
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)				
	Operating Temperature	0°C~50°C				
	Storage Temperature	-15°C ~60°C				

High Frequency Off Grid Solar Inverter

SR1800 VHM Series (2KW-5.5KW)



Features

- Rated power : 2KW -5.5KW
- Pure sine wave solar inverter
- Output power factor 1
- Built-in 80A MPPT solar charger
- Built-in anti-dust kit for harsh environment
- Support parallel operation up to 3 units (available for 3KW-5.5KW 48V)
- WIFI remote monitoring (optional)
- Compatible to generator

Introduction

SR1800 VHM is a multi-functional inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support in portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

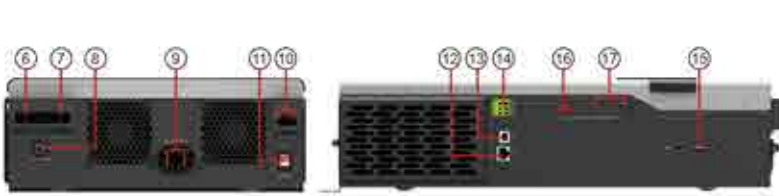
Back panel printing description



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[SR1800 VHM 3K]



[SR1800 VHM 5K]

6. AC input

7. AC output

8. Circuit breaker

9. Battery input

10. SR input

11. Power on/off switch
12. RS-485 Communication port

13. USB

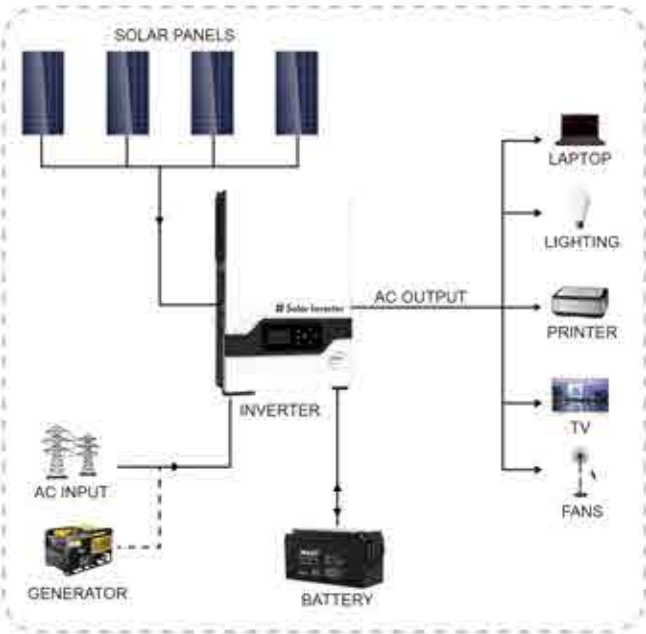
14. Dry contact

15. USB wifi

16. Parallel switch

17. Parallel communication port (only for parallel model)

Solar system connection



Specification

MODEL		SR18-2024 VHM	SR18-3024 VHM	SR18-3048 VHM	SR18-4048 VHM	SR18-5048 VHM	SR18-5548 VHM
Nominal Battery System Voltage		24VDC		48VDC			
INVERTER OUTPUT	Rated Power	2000W	3000W	3000W	4000W	5000W	5500W
	Surge Power	4000W	6000W	6000W	8000W	10000W	11000W
	Waveform	Pure Sine Wave					
	AC Voltage Regulation (Batt.Mode)	(220VAC~240VAC)±5%					
	Inverter Efficiency(Peak)	93%					
	Transfer Time	10ms (UPS / VDE4105) 20ms (APL)					
AC INPUT	Voltage	230VAC					
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE4105)					
	Frequency Range	50Hz / 60Hz(Auto sensing)					
BATTERY	Normal Voltage	24VDC		48VDC			
	Floating Charge Voltage	27.4VDC		54.8VDC			
	Overcharge Protection	30VDC		60VDC			
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC					
	PV Array MPPT Voltage Range	30~130VDC		60~130VDC			
	Standby Power Consumption	2W					
	PV Input Power	2000W		4000W			
	Maximum Solar Charge Current	80A					
	Maximum Efficiency	98%					
	Maximum AC Charge Current	20A/30A		60A			
	Maximum Charge Current	80A		140A			
MECHANICAL SPECIFICATIONS	Machine Dimensions(W*H*D)(mm)	300*414*116		329*485*134			
	Package Dimensions(W*H*D)(mm)	423*599*257		426.5*507*250			
	Net Weight(kg)	10	11	12			
	Gross Weight(kg)	11.7	12	13.5			
OTHER	Humidity	5% to 95% Relatly Humidity (Non-condensing)					
	Operating Temperature	0°C~50°C					
	Storage Temperature	-15°C ~60°C					

High frequency solar inverter

SR1800 VPM Series (1KW-5KW)



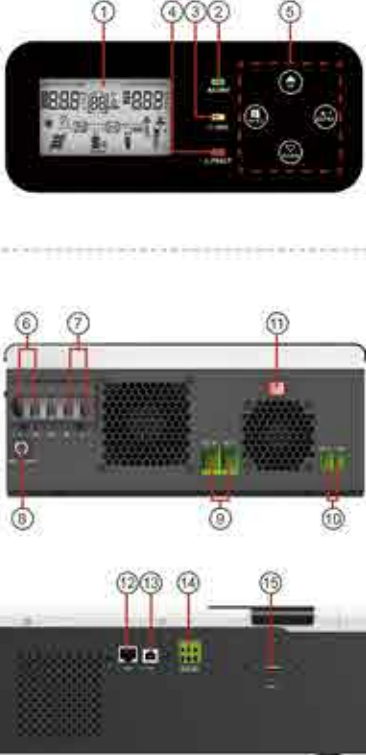
Features

- Rated power: 1-5KW
- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc)
- Built in MPPT 60A/80A solar charge controller
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- WIFI remote monitoring (optional)
- Compatible to generator
- Support parallel operation up to 3 units (available for 3KW-5KW 48V)

Introduction

This is a multi-function inverter/charger, combining functions of inverter, MPPT 60A/80A solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

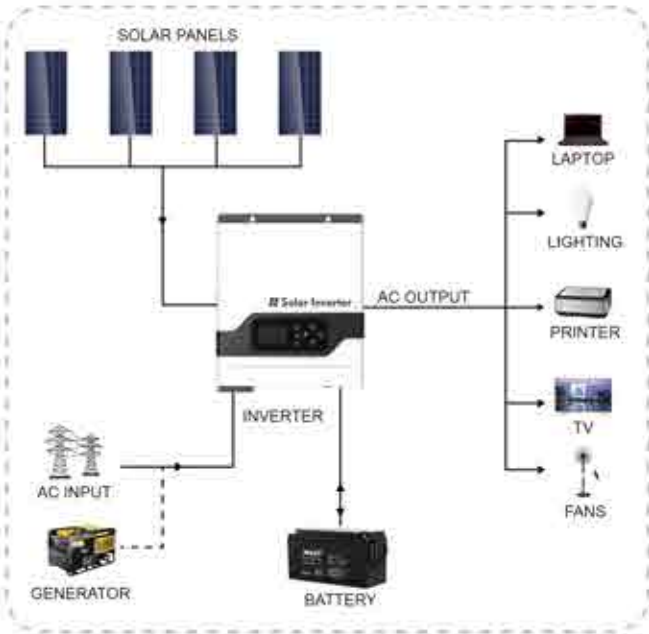
Back panel printing description



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons
6. AC input
7. AC output
8. Circuit breaker
9. Battery input
10. SR input
11. Power on/off switch
12. RS-485 Communication port
13. USB
14. Dry contact
15. USB wifi

[SR1800 VPM 2-3K]

Solar system connection



Specification

MODEL		SR18-1012 VPM	SR18-2024 VPM	SR18-3024 VPM	SR18-3048 VPM	SR18-4048 VPM	SR18-5048 VPM
Default Battery System Voltage		12VDC	24VDC		48VDC		
INVERTER OUTPUT	Rated Power	1000VA / 1000W	2000VA / 2000W	3000VA / 3000W	3000VA / 3000W	4000VA / 4000W	5000VA / 5000W
	Surge Power	2000VA	4000VA	6000VA	6000VA	8000VA	10000VA
	Waveform	Pure sine wave					
	AC Voltage Regulation (Batt.Mode)	220VAC~240VAC(Setting)					
	Inverter Efficiency(Peak)	90%~93%					
	Transfer Time	10ms(UPS / VDE4105) / 20ms(APL)					
AC INPUT	Voltage	230VAC					
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE)					
	Frequency Range	50Hz / 60Hz (Auto sensing)					
BATTERY	Normal voltage	12VDC	24VDC		48VDC		
	Floating Charge Voltage	13.7VDC	27.4VDC		54.8VDC		
	Overcharge Protection	15VDC	30VDC		60VDC		
SOLAR CHARGER & AC CHARGER"	Maximum PV Array Open Circuit Voltage	105VDC	145VDC		145VDC		
	PV Array MPPT Voltage Range	15~105VDC	30~120VDC		60~130VDC		
	Standby Power Consumption	2W					
	Maximum PV Array Power	720W	1500W		4000W		
	Maximum Solar Charge Current	60A			80A		
	Maximum Efficiency	98%					
	Maximum AC Charge Current	10A or 20A	20A or 30A		60A		
	Maximum Charge Current	70A	80A		140A		
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	224*337*98	290*342*125		297.5*468*125		
	Package Dimensions (W*H*D)(mm)	299*392*184	408*412*240		638*395*241		
	Net Weight(kg)	5	7.4		12		
	Gross Weight(kg)	5.5	9.5		13.5		
OTHER	Humidity	5% to 95% Relative Humidity (Non-condensing)					
	Operating Temperature	0°C~50°C					
	Storage Temperature	-15°C -60°C					

High frequency solar inverter

SR1800 VM Series



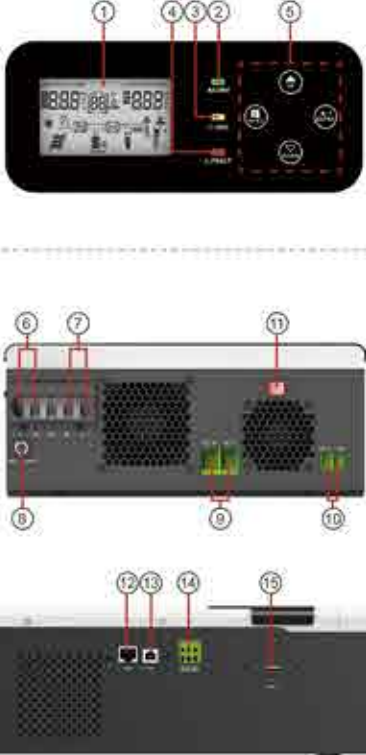
Features

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc)
- Built in MPPT 60Asolar charge controller
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- WIFI remote monitoring (optional)
- Compatible to generator

Introduction

This is a multi-function inverter/charger, combining functions of inverter, MPPT 60A solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

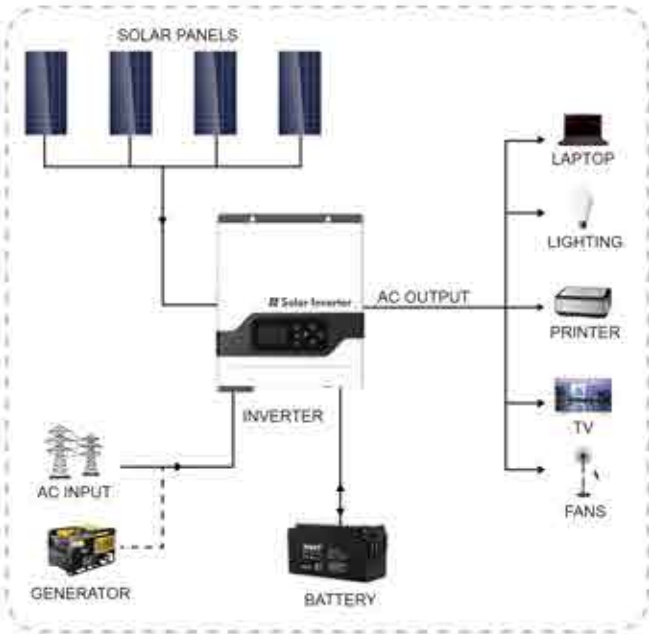
Back panel printing description



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons
6. AC input
7. AC output
8. Circuit breaker
9. Battery input
10. SR input
11. Power on/off switch
12. RS-485 Communication port
13. USB
14. Dry contact
15. USB wifi

[SR1800 VM 3K]

Solar system connection



Specification

MODEL		SR18-2524 VM	SR18-3024 VM
Default Battery System Voltage		24VDC	
INVERTER OUTPUT	Rated Power	2500VA / 2000W	3000VA / 2500W
	Surge Power	5000VA	6000VA
	Waveform	Pure sine wave	
	AC Voltage Regulation (Batt.Mode)	220VAC~240VAC(Setting)	
	Inverter Efficiency(Peak)	90%~93%	
	Transfer Time	10ms(UPS / VDE4105) / 20ms(APL)	
AC INPUT	Voltage	230VAC	
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE)	
	Frequency Range	50Hz / 60Hz (Auto sensing)	
BATTERY	Normal voltage	24VDC	
	Floating Charge Voltage	27.4VDC	
	Overcharge Protection	30VDC	
SOLAR CHARGER & AC CHARGER*	Maximum PV Array Open Circuit Voltage	145VDC	
	PV Array MPPT Voltage Range	30~120VDC	
	Standby Power Consumption	2W	
	Maximum PV Array Power	1500W	
	Maximum Solar Charge Current	60A	
	Maximum Efficiency	98%	
	Maximum AC Charge Current	10A or 20A	
MECHANICAL SPECIFICATIONS	Maximum Charge Current	80A	
	Machine Dimensions (W*H*D)(mm)	225*355*92	290*342*125
	Package Dimensions (W*H*D)(mm)	410*300*178	425*390*215
	Net Weight(kg)	5	7.4
	Gross Weight(kg)	5.5	9.5
OTHER	Humidity	5% to 95% Relative Humidity (Non-condensing)	
	Operating Temperature	0°C~50°C	
	Storage Temperature	-15°C ~60°C	

High Frequency Off Grid Solar Inverter

SR1800 LHM Series (AC120V: 1KW-3KW)



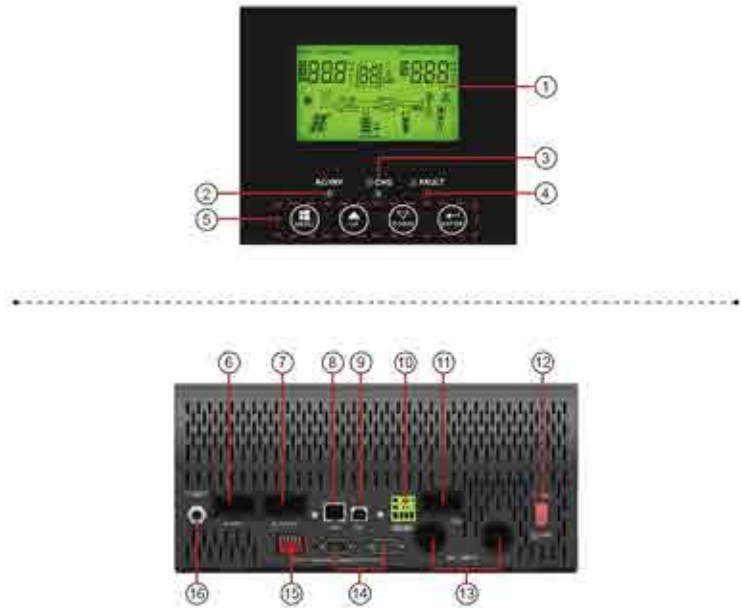
Features

- Rated power: 1KW-3KW
- Pure sine wave solar inverter
- Output power factor 1
- Built-in 80A MPPT solar charger
- Built-in anti-dusk kit for harsh environment
- Support parallel operation up to 3 units (available for 3KW 48V)
- WIFI remote monitoring (optional)
- Compatible to generator

Introduction

SR1800 LHM Series is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Back panel printing description



1. LCD Display

2. Status Indicator

3. Charging Indicator

4. Fault Indicator

5. Function Buttons

6. AC Input

7. AC Output

8. RS-485 Communication port
9. USB

10. Dry Contact

11. SR Input

12. Power On/Off Switch

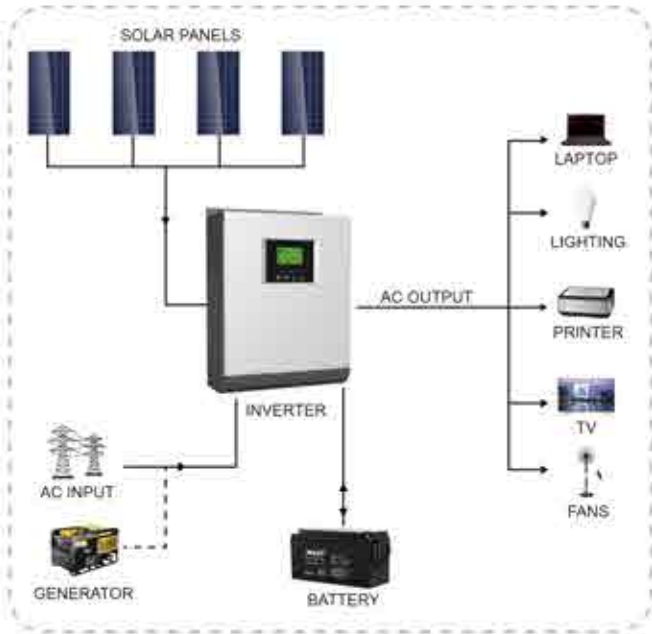
13. Battery Input

14. Parallel communication port

15. Parallel switch

16. Circuit breaker

Solar system connection



Specification

MODEL		SR18-1024 LHM	SR18-1524 LHM	SR18-2024 LHM	SR18-2524 LHM	SR18-3024 LHM	SR18-3048 LHM
Nominal Battery System Voltage		24VDC					48VDC
INVERTER OUTPUT	Rated Power	1000W	1500W	2000W	2500W	3000W	3000W
	Surge Power	2000W	3000W	4000W	5000W	6000W	6000W
	Waveform	Pure sine wave					
	AC Voltage Regulation (Batt.Mode)	(100VAC ~ 120VAC)±5%					
	Inverter Efficiency(Peak)	93%					
	Transfer Time	10ms (UPS / UL) 20ms (APL)					
AC INPUT	Voltage	120VAC					
	Selectable Voltage Range	90~145VAC(UPS), 60~145VAC(APL), 107~132VAC(VDE4105)					
	Frequency Range	50Hz / 60Hz(Auto sensing)					
BATTERY	Normal voltage	24VDC					48VDC
	Floating Charge Voltage	27VDC					54VDC
	Overcharge Protection	30VDC					60VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC					
	PV Array MPPT Voltage Range	30-130VDC					60-130VDC
	Standby Power Consumption	2W					
	PV Input Power	1440W/1920W					2880W/3840W
	Maximum Solar Charge Current	80A					
	Maximum Efficiency	98%					
	Maximum AC Charge Current	60A					
MECHANICAL SPECIFICATIONS	Maximum Charge Current	140A					
	Machine Dimensions (W*H*D)(mm)	272*355*100					297.5*468*125
	Package Dimensions (W*H*D)(mm)	465*373*231					618*415*261
	Net Weight(kg)	13.3					
OTHER	Gross Weight(kg)	16.4					
	Humidity	5% to 95% Relative humidity (Non-condensing)					
	Operating Temperature	0°C~50°C					
	Storage Temperature	-15°C ~60°C					

Low Frequency Off Grid Solar Inverter

SR2000 PK Series (1KVA-2KVA)



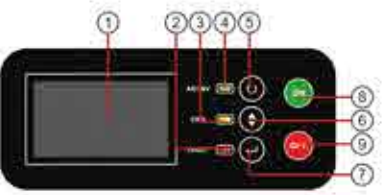
Features

- Pure sine wave output
- Built-in 50A PWM solar charge controller
- Smart LCD setting (frequency , charge voltage, charge current, etc)
- Overload and short-circuit protection
- Deep discharge protection
- Cold start function
- Support USB/RS232 monitoring function

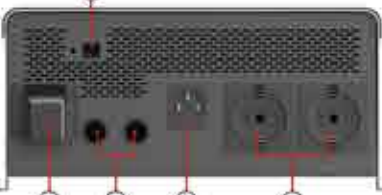
Introduction

SR2000 PK built-in high efficiency solar controller, AC input voltage range for 140VAC-280VAC with regulated output (AVR) features, SR, AC function, A tracking feature such as power frequency. The output frequency can be set using the keys, AC / SRcharging voltage, charge current, AC or SR priority mode, Battery under voltage shut-down point, and so many other functions.

Back panel printing description

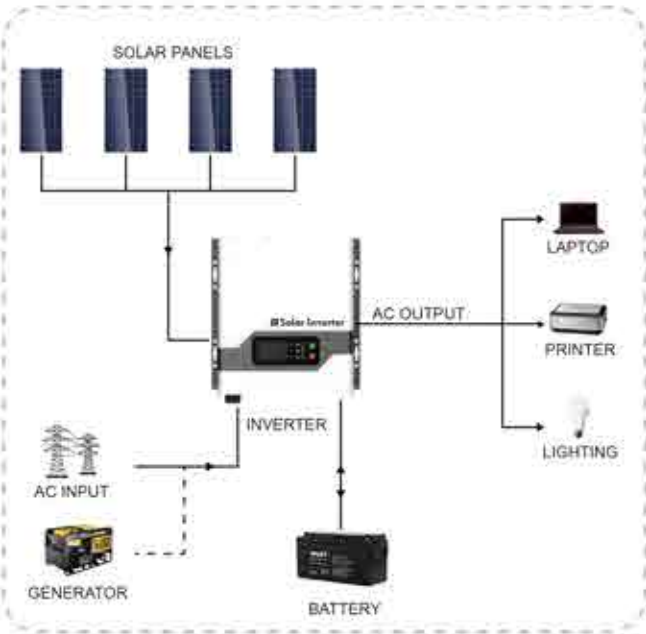


1. LCD display
2. Fault LED
3. Charge LED
4. AC/Inverter LED
5. ESC
6. SEL
7. ENTER
8. POWER ON
9. POWER OFF



1. USB
2. PV Input
3. Battery Input
4. AC Input
5. AC Output

Solar system connection



Specification

MODEL		SR20-1012 PK	SR20-1512 PK	SR20-2024 PK
Battery Input Voltage Rating		12VDC		24VDC
INVERTER OUTPUT	Rated Power	1000VA	1500VA	2000VA
		700W	900W	1200W
	Instantaneous Power Drawn	2100VA	2700VA	3600VA
	Output Waveform	Pure sine wave		
	Output Voltage	Inverter mode: 230VAC(±5% RMS), AVR mode: 200VAC-240VAC 220VAC(±5% RMS)		
	Output Power Factor	0.7	0.6	
	Output Frequency	50Hz/60Hz ±0.2 Hz		
	Inverting Efficiency (peak)	>85%		
	Mains Mode Efficiency	> 95%		
	Transfer Time	Typical 2~6ms 10ms(max)		
AC INPUT	Input Voltage	220/230VAC		
	Input Voltage Range	140~280VAC±5%		
	Low Pressure Shutdown	140VAC±5%		
	High Pressure Shutdown	280VAC±5%		
	Low Frequency Shutdown	45±0.2Hz(50Hz)		
		55±0.2Hz(60Hz)		
	High Frequency Shutdown	55±0.2Hz(50Hz)		
		65±0.2Hz(60Hz)		
Frequency Range	50Hz/60Hz ±0.2HZ			
BATTERY	Minimum Start Voltage	Battery under voltage shut-down point +0.5V		Battery under voltage shut-down point +1.0V
	Low Battery Alarm	Battery under voltage shut-down point +0.5V		Battery under voltage shut-down point +1.0V
	Low Battery Shutdown	(0.1V / 10-12.0VDC mode) User set		(0.2V / 20.0-24.0VDC mode) User set
	Battery High Voltage Alarm	Average Charge Voltage+1V		Average Charge Voltage +2V
AC CHARGER	Float Voltage	13.5 / 13.6 / 13.7VDC to set		27.0 27.2 27.4VDC to set
	Average Charge Voltage	(0.1V each click ,13.8~14.5V mode) User set		(0.2V each click , 27.6~29V mode) User set
	Maximum Charge Current	20A±2A	25A±2A	15A±2A
BYPASS & PROTECTION	Input Frequency	50Hz / 60Hz		
	Low Frequency Switching	45±1Hz		
	High Frequency Switching	65±1Hz		
	Overload Protection	110%~125%R load fault after 60s 125% ~150%R load fault after 3s >150%R load fault after 500ms		
	Output Short Circuit Protection	Yes		
	Bypass Circuit Breaker Insurance	10A		
	Maximum Current Bypass	7A	10A	
SOLAR CHARGER	Maximum PV Charge Current	50A±5A		
	Battery Voltage	12VDC		24VDC
	Maximum PV Array Power	150W*5 solar panels		150W*10 solar panels
	Maximum PV Array Open Circuit Voltage	55Vdc		70Vdc
	Maximum Efficiency	> 95%		
	Standby Consumption	<2W		
MECHANICAL SPECIFICATIONS	Assembly	Wall mount		
	Dimension (W*H*D) (mm)	300.5*342*125		
	Net Weight KG	9.0	10.0	10.5
	Shipping Dimensions (mm)	380.5*354*192.2		
	Transport Weight KG	10.0	11.0	11.5
OTHER	Working Environment	0°C~40°C 0~90% Relative humidity (non-condensing)		
	Noise	Less than 60db		
	Display	LED + LCD		

The technical specifications of this document are subject to change without any notice

Low Frequency Solar Inverter/Charger

SR3000 VHM Series (1KW-6KW)



Features

- Pure sine wave output
- Friendly user interface
- 3 Steps charging
- MFD (multi-function display)
- Overload and short-circuit protection
- Set charging voltage/charging current
- Battery low voltage shutdown point can be set to 10/10.5/11V/11.5V
- Power-save mode
- Set utility priority /battery priority
- Set utility input wide/narrow voltage range
- Inverter voltage can be set to 220V/230V/240V
- Inverter frequency can be set to 50Hz/60Hz
- Set utility charging on/off switch
- Inbuilt 80A MPPT Solar Charge Controller

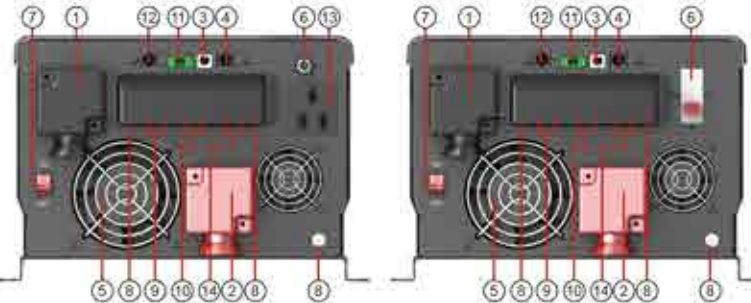
Introduction

SR3000 VHM series is very economical pure sine wave solar inverter, Inbuilt with 80A MPPT charger; Solar/AC priority is configurable, when setting solar priority, solar will charge batteries as first priority, and AC can also charge batteries when solar charger current is too lower, in this way system charge is optimized best, it enables inverter to operate with all kinds of home appliances.

Back panel printing description



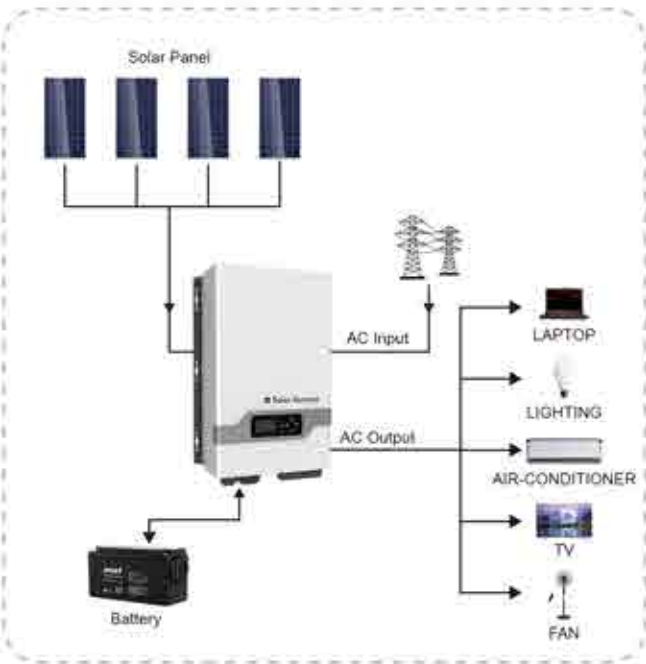
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[SR3000 VHM 1-3K] [SR3000 VHM 4-6K]

1. BAT -
2. BAT +
3. USB
4. Remote port
5. FAN
6. Charger input protect
7. Power on/off switch
8. GND
9. AC input
10.AC output
11.AGS
12.BTS
13.AC Output 10A(MAX)
14.PV input

Solar system connection



Specification

MODEL		SR30-1KW VHM		SR30-1.5KW VHM		SR30-2KW VHM		SR30-3KW VHM		SR30-4KW VHM		SR30-5KW VHM		SR30-6KW VHM							
Nominal Battery System Voltage		12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	24VDC	48VDC	24VDC	48VDC	48VDC		48VDC							
INVERTER OUTPUT	Rated Power	1 KW		1.5 KW		2 KW		3 KW		4 KW		5 KW		6 KW							
	Surge Rating	3000VA		4500VA		6000VA		9000VA		12000VA		15000VA		18000VA							
	Capable Of Starting Electric Motor	1HP		1HP		1HP		2HP				3HP									
	Waveform	Pure sine wave / same as input (bypass mode)																			
	Nominal Output Voltage RMS	220V / 230V / 240VAC (±10% RMS)																			
	Output Frequency	50Hz / 60Hz ±0.3Hz																			
	Inverter Efficiency (Peak)	>88%																			
	Line Mode Efficiency	>95%																			
	Power Factor	1.0																			
	Typical Transfer Time	10ms(max)																			
AC INPUT	Voltage	230VAC																			
	Selectable Voltage Range	150~265VAC(For personal computers)																			
	Frequency Range	50Hz / 60Hz(Auto sensing) 40~80Hz																			
BATTERY	Minimum Start Voltage	(10V / 10.5V / 11V / 11.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																			
	Low Battery Alarm	(10V / 10.5V / 11V / 11.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																			
	Low Battery Cut Off	10V / 10.5V / 11V / 11.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																			
	High Voltage Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																			
	High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																			
	Idle Consumption-Search Mode	Load ≤50±20W(120V)/100±20W(220V)																			
CHARGER	Output Voltage	Depends on battery type																			
	Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)																			
	Maximum Charge Current	30A	20A	45A	25A	60A	30A	40A	20A	60A	30A	35A	40A								
BYPASS & PROTECTION	Input Voltage Waveform	Sine wave (grid or generator)																			
	Nominal Input Frequency	50Hz or 60Hz																			
	Overload Protection (SMPS Load)	Circuit breaker																			
	Output Short Circuit Protection	Circuit breaker																			
	Bypass Breaker Rating	230V		1-3K/30A								4-6K/50A									
	Max Bypass Current	30Amp																			
SOLAR CHARGER	Maximum PV Array Power	1250W	2500W	1250W	2500W	1250W	2500W	2500W	5000W	2500W	5000W	5000W		5000W							
	Maximum PV Charge Current	80A±4A																			
	DC Voltage	12V / 24V auto work								24V / 48V auto work											
	MPPT Range @ Operating Voltage	16~100VDC @ 12V/32~145VDC @ 24V								32~145VDC @ 24V/64~145VDC @ 48V											
	Maximum PV Array Open Circuit Voltage	145VDC																			
	Standby Power Consumption	<2W																			
MECHANICAL SPECIFICATIONS	Mounting	Wall Mount																			
	Dimensions (W*H*D)	423*247*197mm								597*247*197mm											
	Net Weight (Solar CHG)(kg)	17.2		17.7		21.8		20.7		25.2		25.5		38.9		36.5		45.7		45.7	
	Shipping Dimensions (W*H*D)	585*387*322mm								758*387*322mm											
	Shipping Weight (Solar CHG)(kg)	20		20.7		24.8		23.5		28.2		28.2		43		40.7		50		50	
OTHER	Operation Temperature Range	0℃ to 40℃																			
	Storage Temperature	-15℃ to 60℃																			
	Audible Noise	60dB MAX																			
	Display	LED+LCD																			
	Standard Warranty	1 year																			

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Low Frequency Solar Inverter/Charger

SR3000 VPM Series (1000VA-3000VA)



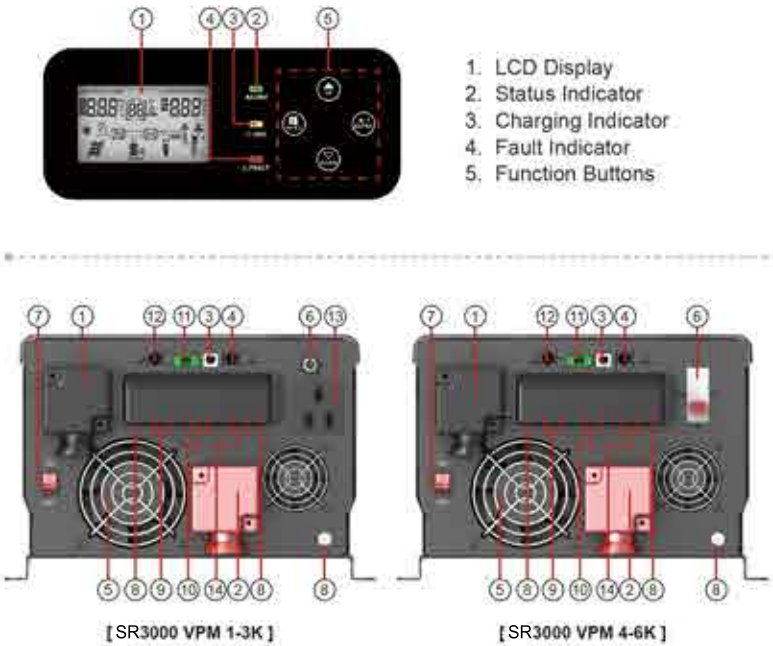
Features

- Pure sine wave output
- Friendly user interface
- 3 Steps charging
- MFD (multi-function display)
- Overload and short-circuit protection
- Set charging voltage/charging current
- Battery low voltage shutdown point can be set to 10/10.5/11V
- Power-save mode
- Set utility priority/battery priority
- Set utility input wide/narrow range
- Inverter voltage can be set to 110V/115V/120V or 220V/230V/240V
- Inverter frequency can be set to 50Hz/60Hz
- Set utility charging on/off switch
- Inbuilt with 60A MPPT Solar Charge Controller

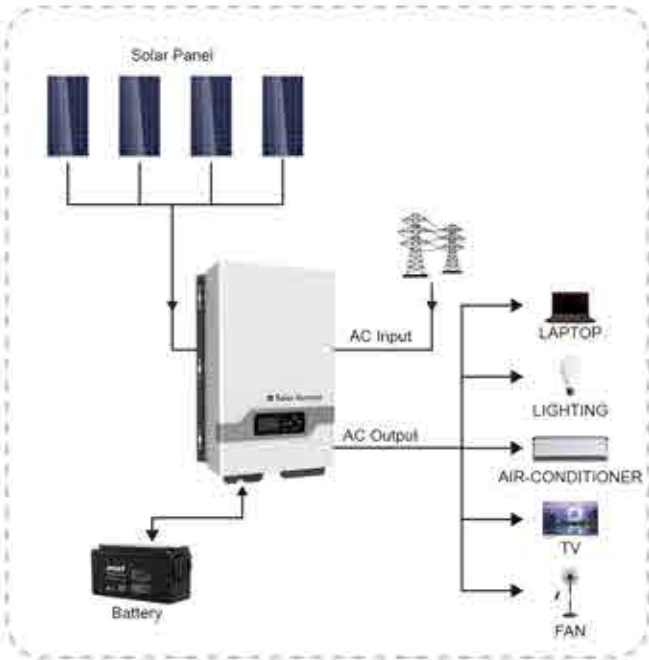
Introduction

SR3000 VPM series is very economical pure sine wave solar inverter, inbuilt with 60A MPPT Charger and AC Charger from 20A to 60A; Solar/AC priority is configurable, when setting solar priority, solar will charge batteries as first priority, and AC can also charge batteries when solar charger current is too lower, in this way system charge is optimized best. It enables inverter to operate with all kinds of home appliances.

Back panel printing description



Solar system connection



Specification

MODEL			SR30-1K VPM		SR30-1.5K VPM		SR30-2K VPM		SR30-3K VPM		
Nominal Battery System Voltage:			12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	24VDC		
INVERTER OUTPUT	Rated Power		1000VA		1500VA		2000VA		3000VA		
	Surge Rating		3000VA		4500VA		6000VA		9000VA		
	Capable Of Starting Electric Motor		1HP		1HP		1HP		2HP		
	Waveform		Pure sine wave / same as input (bypass mode)								
	Nominal Output Voltage RMS		110V /115V / 120V / 220V / 230V / 240VAC (±10% RMS)								
	Output Frequency		50Hz / 60Hz ±0.3Hz								
	Inverter Efficiency (Peak)		>88%								
	Line Mode Efficiency		>95%								
	Power Factor		0.7								
	Typical Transfer Time		10ms(max)								
AC INPUT	Voltage		230VAC								
	Selectable Voltage Range		96~132VAC 155~280VAC(For personal computers)								
	Frequency Range		50Hz / 60Hz(Auto sensing) 40~80Hz								
BATTERY	Minimum Start Voltage		(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)								
	Low Battery Alarm		(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)								
	Low Battery Cut Off		10V / 10.5V / 11V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)								
	High Voltage Alarm		(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)								
	High Battery Voltage Recover		(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)								
	Idle Consumption-Search Mode		Load ≤50±20W(120V)/100±20W(220V)								
CHARGER	Output Voltage		Depends on battery type								
	Charge AC Input Breaker Rating	120V	1K/12A		1.5K/16A		2K/30A		3K/40A		
		230V	1-1.5K/10A				2-3K/30A				
	Overcharge Protection S.D.		15.7VDC for 12VDC mode (*2 for 24VDC mode)								
	Maximum Charge Current		30A	20A	45A	25A	60A	30A	40A		
BYPASS & PROTECTION	Input Voltage Waveform		Sine wave (grid or generator)								
	Nominal Input Frequency		50Hz or 60Hz								
	Overload Protection (SMPS Load)		Circuit breaker								
	Output Short Circuit Protection		Circuit breaker								
	Bypass Breaker Rating	230V	1-3K/30A								
		120V	1K/16A		1.5K/20A		2K/30A		3K/40A		
	Max Bypass Current		30Amp								
SOLAR CHARGER	Maximum PV Array Power		1000W	2000W	1000W	2000W	1000W	2000W	2000W		
	Maximum PV Charge Current		60A								
	DC Voltage		12V / 24V auto work								
	MPPT Range @ Operating Voltage		12V: 16~75VDC; 24V: 32-100VDC								
	Maximum PV Array Open Circuit Voltage		12V:75VDC; 24V:100VDC								
	Standby Power Consumption		<2W								
MECHANICAL SPECIFICATIONS	Mounting		Wall Mount								
	Dimensions (W*H*D)		423*247*197mm								
	Net Weight (Solar CHG)(kg)		16.5		17		21.1		20		24.5
	Shipping Dimensions (W*H*D)		585*387*322mm								
	Shipping Weight (Solar CHG)(kg)		19.3		20		24.1		22.8		29.1
OTHER	Operation Temperature Range		0℃ to 40℃								
	Storage Temperature		-15℃ to 60℃								
	Audible Noise		60dB MAX								
	Display		LED+LCD								
	Standard Warranty		1 year								

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Low Frequency Solar Inverter

SR3000 LVHM Series (AC120V: 1KW-6KW)



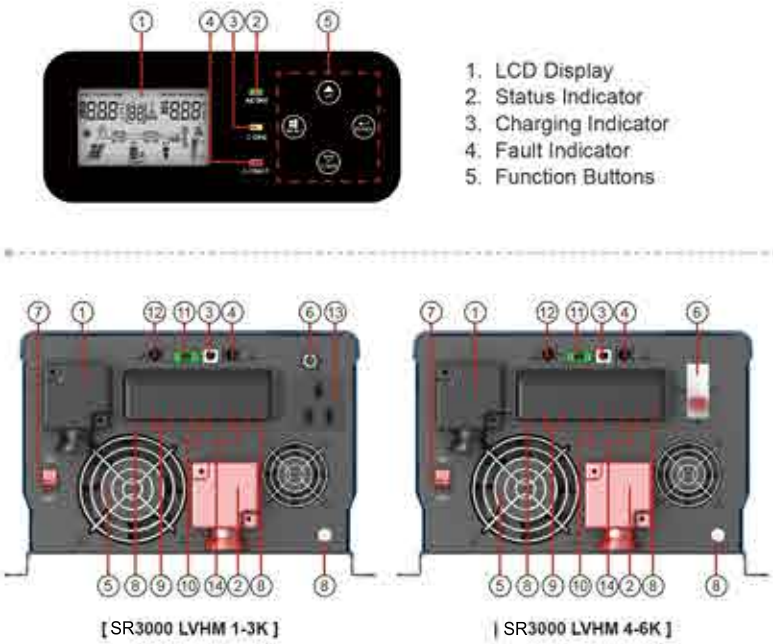
Features

- Pure sine wave output
- Friendly user interface
- 3 Steps charging
- MFD (multi-function display)
- Overload and short-circuit protection
- Set charging voltage/charging current
- Battery low voltage shutdown point can be set to 10/10.5/11V/11.5V
- Power-save mode
- Set utility priority/ Battery priority
- Set utility input wide/narrow range
- Inverter voltage can be set to 120V/110V/115V/120V
- Inverter frequency can be set to 50/60Hz
- Set utility charging on/off switch
- 80A MPPT charger

Introduction

SR3000 LVHM series is very economical pure sine wave solar inverter, AC voltage 110V/120V, AC charger inbuilt, from 20A to 60A; MPPT solar charger 80A inbuilt; Solar/AC priority is configurable, when setting solar priority, solar will charge batteries as first priority, and AC can also charge batteries when solar charger current is not enough, it enables inverter to operate with all kinds of home appliances, widely selling to Latin America.

Back panel printing description



1. BAT -

2. BAT +

3. USB

4. Remote port

5. FAN

6. Charger input protect

7. Power on/off switch
8. GND

9. AC input

10. AC output

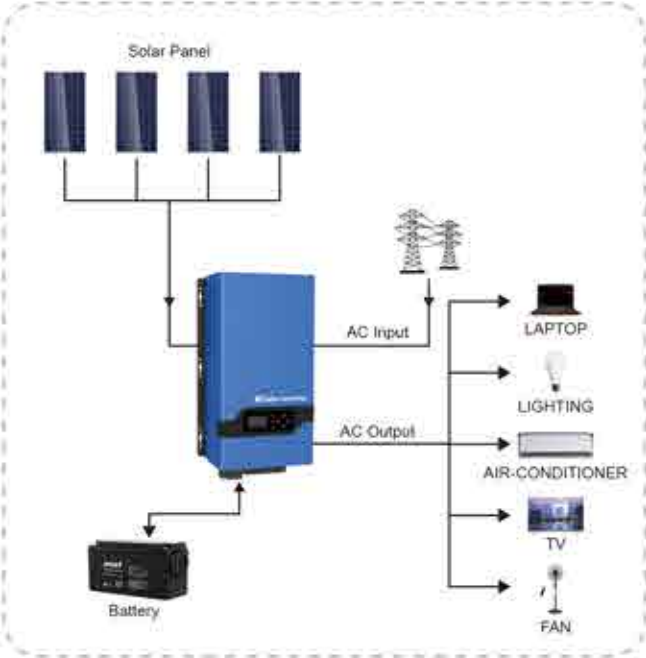
11. AGS

12. BTS

13. AC Output 10A(MAX)

14. PV input

Solar system connection



Specification

MODEL		SR30-1KW LVHM		SR30-1.5KW LVHM		SR30-2KW LVHM		SR30-3KW LVHM		SR30-4KW LVHM		SR30-5KW LVHM		SR30-6KW LVHM					
Nominal Battery System Voltage		12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	24VDC	48VDC	24VDC	48VDC	48VDC		48VDC					
INVERTER OUTPUT	Rated Power	1 KW		1.5 KW		2 KW		3 KW		4 KW		5 KW		6 KW					
	Surge Rating	3000VA		4500VA		6000VA		9000VA		12000VA		15000VA		18000VA					
	Capable Of Starting Electric Motor	1HP		1HP		1.5HP		1.5HP		2HP		3HP							
	Waveform	Pure sine wave / same as input (bypass mode)																	
	Nominal Output Voltage RMS	110V / 115V / 120VAC(±10% RMS)																	
	Output Frequency	50Hz / 60Hz ±0.3Hz																	
	Inverter Efficiency (Peak)	>88%																	
	Line Mode Efficiency	>95%																	
	Power Factor	1.0																	
	Typical Transfer Time	10ms(max)																	
AC INPUT	Voltage	110/120VAC																	
	Selectable Voltage Range	75~135VAC (For personal computers)																	
	Frequency Range	50Hz / 60Hz(Auto sensing) 40~80Hz																	
BATTERY	Minimum Start Voltage	(10V / 10.5V / 11V / 11.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																	
	Low Battery Alarm	(10V / 10.5V / 11V / 11.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																	
	Low Battery Cut Off	10V / 10.5V / 11V / 11.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																	
	High Voltage Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																	
	High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)																	
	Idle Consumption-Search Mode	Load ≤50±20W(120V)																	
CHARGER	Output Voltage	Depends on battery type																	
	Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)																	
	Maximum Charge Current	30A	20A	45A	25A	60A	30A	40A	20A	60A	30A	35A	40A						
BYPASS & PROTECTION	Input Voltage Waveform	Sine wave (grid or generator)																	
	Nominal Input Frequency	50Hz or 60Hz																	
	Overload Protection (SMPS Load)	Circuit breaker																	
	Output Short Circuit Protection	Circuit breaker																	
	Bypass Breaker Rating	120V	1-3K/30A						3K/40A		4-6K/63A								
	Max Bypass Current	30Amp																	
SOLAR CHARGER	Maximum PV Array Power	1250W	2500W	1250W	2500W	1250W	2500W	2500W	5000W	2500W	5000W	5000W		5000W					
	Maximum PV Charge Current	80A±4A																	
	DC Voltage	12V / 24V auto work									24V / 48V auto work								
	MPPT Range @ Operating Voltage	16~95VDC @ 12V / 30~130VDC @ 24V							30~130VDC @ 24V / 60~130VDC @ 48V				60~130VDC @ 48V						
	Maximum PV Array Open Circuit Voltage	145VDC																	
	Standby Power Consumption	<2W																	
MECHANICAL SPECIFICATIONS	Mounting	Wall Mount																	
	Dimensions (W*H*D)	423*247*197mm									597*247*197mm								
	Net Weight (Solar CHG)(kg)	17.2		17.7		21.8		20.7		25.2		25.5		38.9		36.5		42.5	
	Shipping Dimensions (W*H*D)	585*387*322mm									758*387*322mm								
	Shipping Weight (Solar CHG)(kg)	20		20.7		24.8		23.5		28.2		28.2		43		40.7		45	
OTHER	Operation Temperature Range	0℃ to 40℃																	
	Storage Temperature	-15℃ to 60℃																	
	Audible Noise	60dB MAX																	
	Display	LED+LCD																	
	Standard Warranty	1 year																	

Low Frequency Split Phase Solar Inverter

SR3300 TLV Series (AC110V/220V: 1KW-6KW)



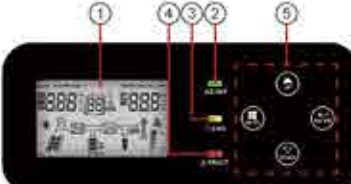
Features

- Pure sine wave output
- Friendly user interface;MFD (multi-function display)
- 3 Steps charging
- Overload and short-circuit protection
- Set charging voltage/charging current
- Battery low voltage shutdown point can be set to 10/10.5/11V
- Set utility priority/ Battery priority
- Set utility input wide/narrow range
- Inverter voltage can be set to 100/110/120;frequency can be set to 50/60Hz
- Set utility charging on/off switch
- Built-in 80A MPPT charger

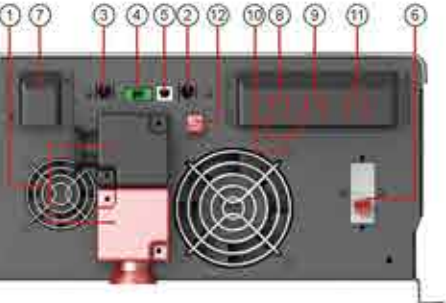
Introduction

This split phase solar inverter SR3300 TLV series, capacity range from 1KW-6KW, DC 12V/24V/48V, it's applicable to 110VAC/120VAC markets demands, which has AC output of single phase 110VAC/120V, split phase 220V/240V; In LCD display, you can set output voltage, frequency, charging voltage, charging current to design best use based on different loads applications; meanwhile, it has built-in MPPT solar charge controller 80A, you can take use of sunshine freely and save electricity bills.

Back panel printing description



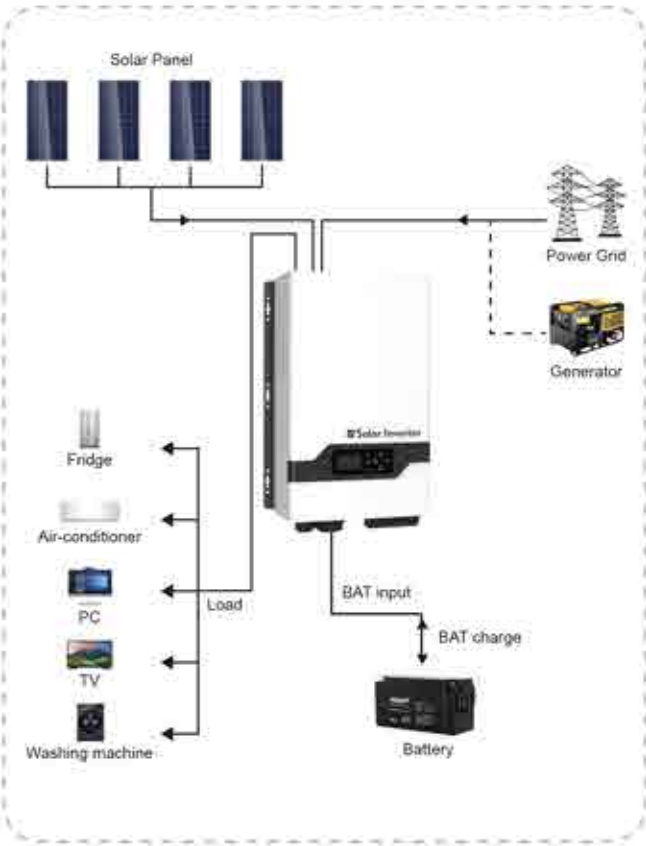
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[SR3300 TLV 4-6K]

1. Battery +/-
2. Remote port
3. BTS
4. AGS
5. USB
6. AC input protect: Input protect breaker
7. PV +/-
8. AC output: HOT1 - N 100VAC/110VAC/120VAC
9. AC output: HOT2 - N 100VAC/110VAC/120VAC
10.AC output: HOT1 - HOT2 200VAC/220VAC/240VAC
11.AC input: HOT1 - HOT2 200VAC/220VAC/240VAC
12. Switch on/off

Solar system connection



Specification

MODEL		SR33-1012 TLV	SR33-1512 TLV	SR33-1524 TLV	SR33-2012 TLV	SR33-2024 TLV	SR33-3024 TLV	SR33-3048 TLV	SR33-4024 TLV	SR33-4048 TLV	SR33-5048 TLV	SR33-6048 TLV
Inverter Output	Rated power	1KW	1.5KW		2KW		3KW		4KW		5KW	6KW
	Power factor	1										
	Wave form	Pure sine wave										
	Output voltage RMS	100V / 110V / 120VAC (200V / 220V / 240VAC, L+L) ±10%										
	Output frequency	50Hz or 60Hz (±0.3Hz)										
	Inverter efficiency (peak)	>85%										
	Line mode efficiency	>95%										
	Overload	100%<Load<110% (alarm 5min then stop output) / 110%<Load<125% (alarm 60s then stop output) / Load > 125% (alarm 10s then stop output)										
	Surge rating	3000VA	4500VA		6000VA		9000VA		12000VA		15000VA	18000VA
	Capable of starting electric motor	1HP	1HP		1.5HP		1.5HP		2HP		3HP	
Battery	Battery voltage	12VDC/24VDC					24VDC/48VDC			48VDC		
	Minimum start voltage	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)										
	Low battery voltage cut off	10V / 10.5V / 11V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)										
	Low battery voltage alarm	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)										
	High battery voltage alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)										
	High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)										
	Save mode	Load ≤50±20W(120V)/100±20W(220V)										
AC Input Mode	Input waveform	Pure sine wave										
	Nominal input voltage	200Vac / 220Vac / 240Vac										
	Max input voltage	270Vac MAX										
	Input frequency	50Hz / 60Hz (auto sensing)										
	Efficiency (AC mode)	>95% (load, full battery)										
	Transfer time AC to DC	15ms(typical)										
Solar Charger	Maximum PV Array Power	1250W	1250W	2500W	1250W	2500W	2500W	5000W	2500W	5000W	5000W	5000W
	Maximum PV Charge Current	80A										
	DC Voltage	12V / 24V					24V / 48V			24V / 48V		
	MPPT Range @ Operating Voltage	16~95VDC @ 12V / 30~130VDC @ 24V					30~130VDC @ 24V / 60~130VDC @48V			60~130VDC @48V		
	Maximum PV Array Open Circuit Voltage	100±2Vdc / 145±2Vdc					145±2Vdc			145±2Vdc		
	Maximum Efficiency	>98%										
	Standby Power Consumption	<2W										
Charge Mode	12V	30A	45A		60A		/		/		/	/
	24V	20A	25A		30A		40A		60A		/	/
	48V	/	/		/		20A		30A		35A	40A
		Min charge current 10A. Change by every 5A										
Dimensions	Dimensions (W*H*D)	277*196*466mm							277*186*621mm			
	Ship Dimensions (W*H*D)	376*306*592mm							376*296*747mm			
	Net Weight (Solar CHG)(kg)	17.2	17.7		21.8	20.7	25.2	25.5	38.9	36.5	38	39
	Shipping Weight (Solar CHG)(kg)	20	20.7		24.8	23.5	28.2	28.2	43	40.7	39.2	40.2
	Warranty	1year										

Low Frequency Solar Inverter

SR3500 PRO Series (4KW-12KW)



Features

- Smart LCD setting(Working modes, Charge Current, Charge voltage, etc.)
- Built-in MPPT solar charge controller 80A/100A/200A
- MPPT efficiency max 98%
- Powerful charge rate up to 140Amp
- DC start &Automatic Self-Diagnostic Function
- WIFI / USB monitoring function (wi-fi optional)
- Supporting AGS, BTS port
- Compatible to generator

Introduction

SR3500 PRO series is a multi-function inverter ,combining functions of inverter and MPPT solar charger controller, solar charger and battery charger to offer uninterruptible power support. The comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and selectable input voltage based on different applications.

Back panel printing description



1. Switch ON/OFF

2. LCD display

3. AC/Inverter indicator

4. Charging indicator

5. Fault indicator

6. BAT-

7. BAT+

8. WIFI/USB communication port

9. AC input/Bypass breaker

10.AC output breaker
- 11.Remote control port

12.Fan

13.BTS

14.AGS

15.AC input

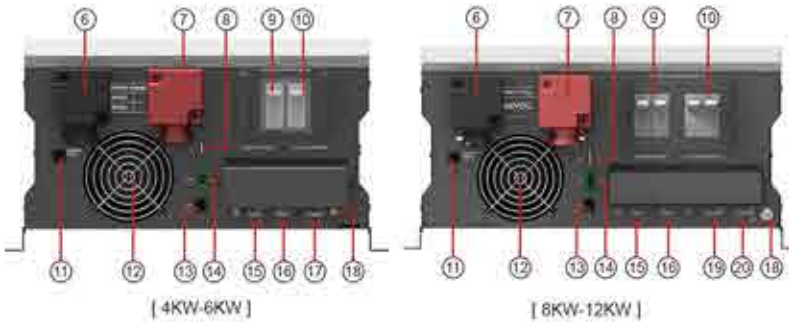
16.AC outputr

17.PV input

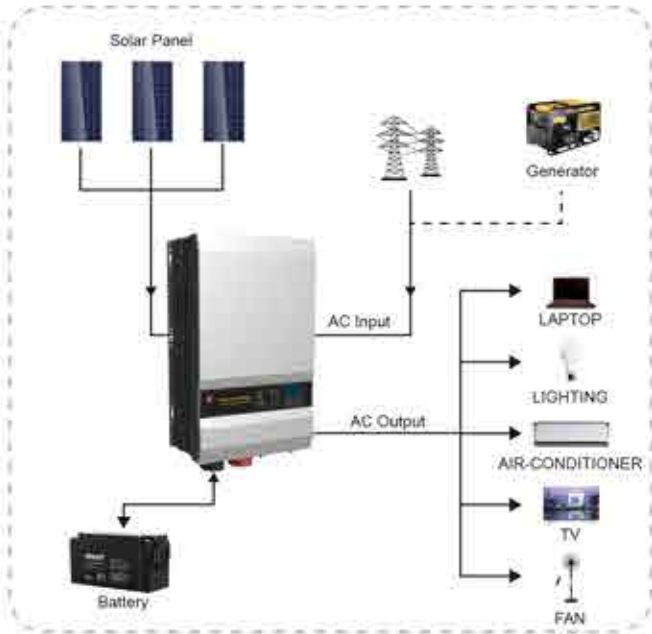
18.Ground

19.PV2 input (optional)

20.PV1 input



Solar system connection



Specification

MODEL		SR35 PRO-4K		SR35 PRO-5K		SR35 PRO-6K		SR35 PRO-8K		SR35 PRO-10K		SR35 PRO-12K	
Nominal Battery System Voltage		24V	48V	24V	48V	48V		48VDC		48VDC		48VDC	
INVERTER OUTPUT	Rated power	4KW		5KW		6KW		8.0KW		10.0KW		12.0KW	
	Surge rating	12000VA		15000VA		18000VA		24000VA		30000VA		36000VA	
	Capable of starting electric motor	2HP		2HP		3HP		4HP		5HP		6HP	
	Waveform	Pure sine wave / same as input (bypass mode)											
	Nominal output voltage RMS	220V / 230V / 240VAC (±10%RMS)											
	Output frequency	50Hz / 60Hz ± 0.3Hz											
	Inverter efficiency(peak)	>85%						>88%					
	Line mode efficiency	>95%											
	Power factor	1.0											
	Typical transfer time	20ms(max)											
AC INPUT	Voltage	230VAC											
	Selectable voltage range	90-280 VAC (APL)											
	Frequency range	50Hz / 60Hz											
BATTERY	Low battery voltage cutoff	20-24VDC for 24VDC mode (40-48VDC for 48VDC mode)											
	Low battery voltage recover	21-25VDC for 24VDC mode (42-50VDC for 48VDC mode)											
	High battery voltage cutoff	30VDC for 24VDC mode (60VDC for 48VDC mode)											
	High battery voltage recover	28.5VDC for 24VDC mode (57VDC for 48VDC mode)											
	Idle consumption-search mode	<30W when power saver on						<80W when power saver on					
AC CHARGER	Output voltage	Depends on battery type											
	Charger AC input breaker rating	40A		40A		50A		80A		80A		80A	
	Overcharge protection S.D.	31.4VDC for 24VDC mode (62.8VDC for 48VDC mode)											
	Maximum charge current	80A	60A	100A	70A	80A		100A		120A		140A	
BTS	Continuous output power	Yes Variances in charging voltage & S.D. voltage base on the battery temperature											
BYPASS & PROTECTION	Input voltage waveform	Sine wave (grid or generator)											
	Nominal input frequency	50Hz or 60Hz											
	Overload protection (SMPS Load)	Circuit breaker											
	Output short circuit protection	Circuit breaker											
	Bypass breaker rating	40A						63A		63A		63A	
	Max bypass current	40Amp						80Amp					
SOLAR CHARGER	Maximum PV charge current	80A						100A(200A optional)					
	DC voltage	24V / 48V Auto work						48V					
	Maximim PV array power	2000W	4000W	2000W	4000W	4000W		5000W(10000W for 200A optional)					
	MPPT range @ operating voltage(VDC)	32-145VDC for 24V mode,64-145V for 48V mode						64~145VDC					
	Maximum PV array open circuit voltage	145VDC											
	Maximum efficiency	>98%											
	Standby power consumption	<2W											
	MECHANICAL SPECIFICATIONS	Mounting	Wall mount										
Dimensions (W*H*D)		620*385*215mm						670*410*215mm					
Net weight (solar CHG) (kg)		36		41		41		69±2.5		75.75±2.5		75.75±2.5	
Shipping dimensions (W*H*D)		755*515*455mm						884*618*443mm					
Shipping weight (Solar CHG) (kg)		56		61		64		82.5±2.5		89±2.5		92±2.5	
OTHER	Operation temperature range	0°C to 40°C											
	Storage temperature	-15°C to 60°C											
	Audible noise	60dB MAX											
	Display	LED+LCD											
	Loading (20GP/40GP/40HQ)	140pcs / 280pcs / 320pcs											

The technical specifications of this document are subject to change without any notice

Low Frequency Solar Inverter

SR3500 TLV Series (8KW-12KW)



Features
• Smart LCD setting(Working modes, Charge Current, Charge voltage, etc.)
• Built-in MPPT solar charge controller 100A
• MPPT efficiency max 98%
• Powerful charge rate up to 80Amp
• DC start &Automatic Self-Diagnostic Function
• USB monitoring function
• Supporting AGS, BTS port
• Compatible to generator

Introduction

SR3500 TLV series is a multi-function inverter ,combining functions of inverter and MPPT solar charger controller, solar charger and battery charger to offer uninterruptible power support. The comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and selectable input voltage based on different applications.

Back panel printing description



1. Switch ON/OFF

2. LCD display

3. AC/Inverter indicator

4. Charging indicator

5. Fault indicator

6. BAT-

7. BAT+

8. USB communication port

9. AC input/Bypass breaker
- 10.AC output breaker

11.Remote control port

12.Fan

13.BTS

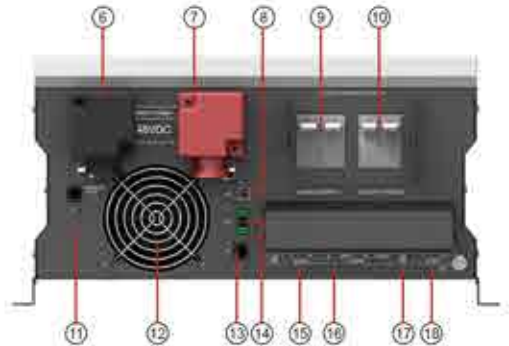
14.AGS

15.AC input

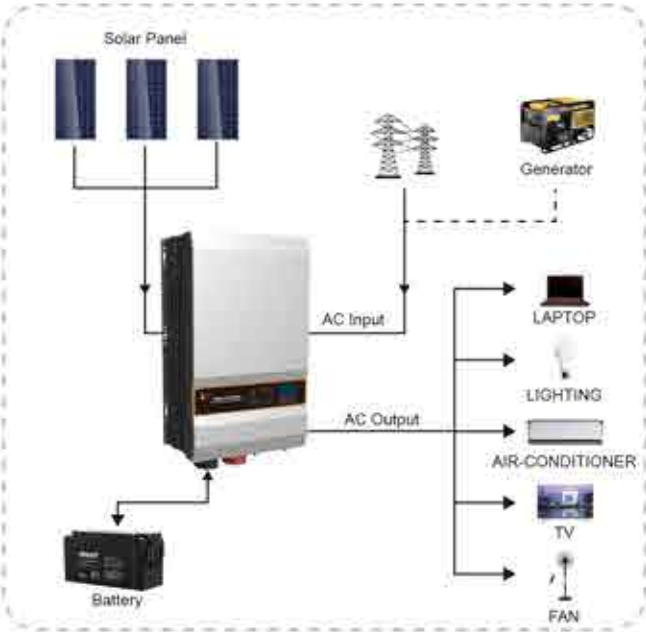
16.AC output

17.Ground

18.PV input



Solar system connection



Specification

MODEL		SR35-8048 TLV	SR35-10048 TLV	SR35-12048 TLV
Nominal Battery System Voltage		48VDC	48VDC	48VDC
INVERTER OUTPUT	Rated power	8.0KW	10.0KW	12.0KW
	Surge rating	24000VA	30000VA	36000VA
	Capable of starting electric motor	4HP	5HP	6HP
	Waveform	Pure sine wave / same as input (bypass mode)		
	Nominal output voltage RMS	100V/110V/120V/200V/220V/240V		
	Output frequency	50Hz / 60Hz ± 0.3Hz		
	Inverter efficiency(peak)	>88%		
	Line mode efficiency	>95%		
	Power factor	1.0		
	Typical transfer time	20ms(max)		
AC INPUT	Voltage	220V/230V/240V		
	Selectable voltage range	90-280 VAC (APL)		
	Frequency range	50Hz / 60Hz		
BATTERY	Low battery voltage cutoff	40-48VDC for 48VDC mode		
	Low battery voltage recover	42-50VDC for 48VDC mode		
	High battery voltage cutoff	60VDC for 48VDC mode		
	High battery voltage recover	57VDC for 48VDC mode		
	Idle consumption-search mode	< 60W when power saver on		
AC CHARGER	Output voltage	Depends on battery type		
	Charger AC input breaker rating	80A	80A	80A
	Overcharge protection S.D.	31.4VDC for 24VDC mode (62.8VDC for 48VDC mode)		
	Maximum charge current	60A	70A	80A
BTS	Continuous output power	Yes Variances in charging voltage & S.D. voltage base on the battery temperature		
BYPASS & PROTECTION	Input voltage waveform	Sine wave (grid or generator)		
	Nominal input frequency	50Hz or 60Hz		
	Overload protection (SMPS Load)	Circuit breaker		
	Output short circuit protection	Circuit breaker		
	Bypass breaker rating	63A	63A	63A
	Max bypass current	80Amp		
SOLAR CHARGER	Maximum PV charge current	100A		
	DC voltage	48V		
	Maximim PV array power	5000W(10000W for 200A optional)		
	MPPT range @ operating voltage(VDC)	64~145VDC		
	Maximum PV array open circuit voltage	145VDC		
	Maximum efficiency	>98%		
	Standby power consumption	<2W		
MECHANICAL SPECIFICATIONS	Mounting	Wall mount		
	Dimensions (W*H*D)	670*410*215mm		
	Net weight (solar CHG) (kg)	69±2.5	75.75±2.5	75.75±2.5
	Shipping dimensions (W*H*D)	884*618*443mm		
	Shipping weight (Solar CHG) (kg)	82.5±2.5	89±2.5	92±2.5
OTHER	Operation temperature range	0°C to 40°C		
	Storage temperature	-15°C to 60°C		
	Audible noise	60dB MAX		
	Display	LED+LCD		
	Loading (20GP/40GP/40HQ)	140pcs / 280pcs / 320pcs		

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Pure Sine Wave Solar Inverter

SR5000 Series (3KW-5KW)



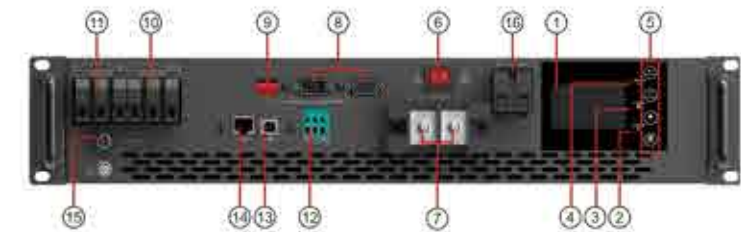
Features

- Pure sine wave inverter
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD setting
- Configurable AC/Solar Charger priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/ Over temperature/ short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Built-in MPPT solar charge controller 80A

Introduction

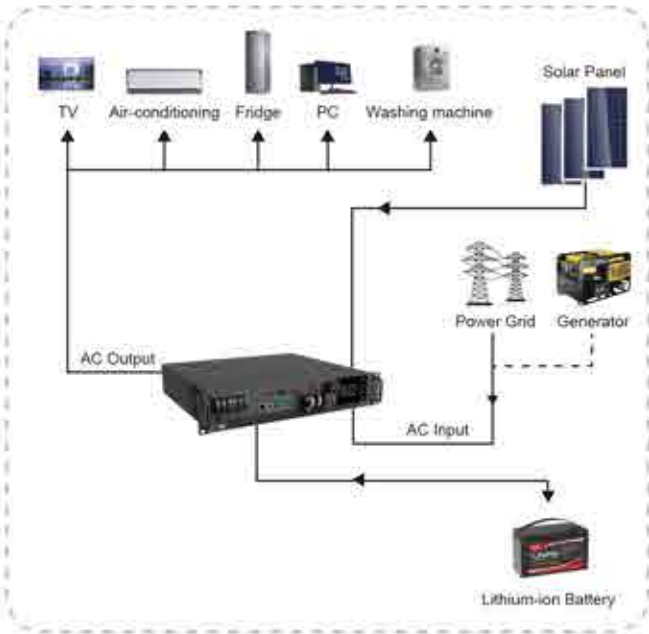
This is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Back panel printing description



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. Battery input
8. Parallel communication port (only for parallel mode)
9. Parallel switch
- 10.AC output
- 11.AC input
- 12.Dry contact
- 13.USB
- 14.RS485 communication port
- 15.Circuit breaker
- 16.PV Input

Solar system connection



Specification

MODEL		SR50-3K	SR50-4K	SR50-5K
Nominal Battery System Voltage		48V		
INVERTER OUTPUT	Rated Output Power	3KW	4KW	5KW
	Surge Power	6KW	8KW	10KW
	Waveform	Pure Sine Wave		
	Power factor	1		
	Output Voltage Regulation	230Vac±5%		
	Inverter Efficiency(Peak)	90%		
	Transfer Time	10ms typical (UPS / VDE4105) 20ms typical (APL)		
AC INPUT	Nominal Input Voltage	230VAC		
	Selectable voltage range	170~280VAC (UPS) , 90~280VAC (APL) , 184~253VAC(VDE4105)		
	Input Voltage Waveform	Sinusoidal (utility or generator)		
	Frequency Range	50Hz / 60Hz		
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC		
	MPPT Range @ Operating Voltage	60~130VDC		
	Standby Power Consumption	2W		
	Maximum PV Array Power	4000W		
	Maximum PV Charge Current	80A		
	Maximum Efficiency	98%		
	Maximum AC Charge Current	60A		
	Maximum Charge Current(PC+AC)	80A		
MECHANICAL SPECIFICATIONS	Dimension (D*W*H), mm	400 x 468 x 86.3		
	Net Weight (kg)	10.0		
OTHER	Safety Certification	CE		
	Operating Temperature Range	-10°C to 40°C		
	Storage temperature	-15°C~ 60°C		

ON/OFF Grid High frequency Hybrid Solar Inverter

SR1000 PRO Series (5KW)



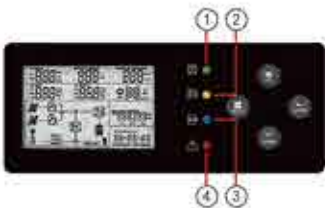
Features

- Wide range of MPPT voltage: 120-550V
- Multiple operation modes: Grid-tie, off grid and grid-tie with back up
- Support LCD display&Smart LCD setting
- Available Export control CT sensor function
- Multiple communications: USB, RS485, GPRS and wifi etc
- Monitoring inverters freely via computers or mobile phones
- Full protection function: Over-voltage, over-frequency, over-current, over-temperature, and AC short-circuit automatic protection
- Intelligent BMS battery management function
- Fanless low-noise design
- IP65 Dust-proof and water-proof

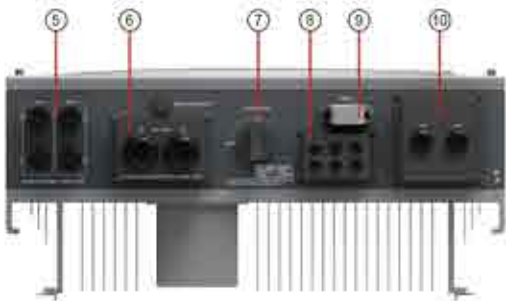
Introduction

This is a flexible and intelligent energy storage solar inverter with a wide range of MPPT Voltage. Combining functions of off grid and on grid. This hybrid solar inverter can power all kinds of appliances in home or office, and can also be used in power stations.

Back panel printing description

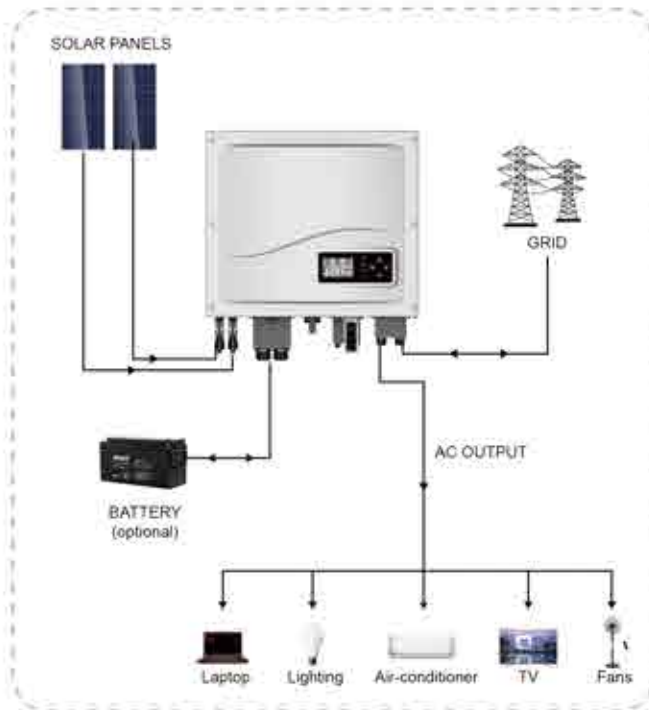


1. The inverter operation status indicator
2. Battery indicator
3. WiFi status indicator
4. Fault indicator



5. PV input terminals
6. Battery input terminals and cover
7. PV input switch
8. BTS terminals, BMS terminals, load monitor terminals, dry contact terminals, CAN communication terminals, USB terminal and cover
9. Wi-Fi comodule
10. AC output terminals and cover

Solar system connection



Specification

MODEL		SR10-5048PRO
RATED POWER(W)		5000
Nominal Battery System Voltage		48
SR INPUT(DC)	Maximum recommended DC power(W)	7000
	Nominal DC operating voltage(V)	360
	Maximum DC voltage(V)	550
	MPPT voltage range(V)	120~550
	Maximum input current(A)	13 / 13
	Maximum short circuit current(A)	15 / 15
	No.of MPP tracker	2
	Strings per MPP tracker	1
INVERTER OUTPUT(AC)	Nominal AC output power(W)	5000
	Nominal output voltage(V);range(V)	220/230/240;180-280
	AC grid frequency(Hz);range(Hz)	50/60;45~55/55-65
	Nominal output current(A)	21.8
	Maximum output current(A)	22.8
	Total harmonic distortion i(THDi)	<3%
	Power factor at rated power	1
	Displacement power factor	0.8leading ~ 0.8lagging
BATTERY MODE OUTPUT(AC)	Output Rated Power	3680
	Nominal output voltage(V);accuracy range	230±1%
	Output ferequency(Hz);accuracy range	50/60(optional)±0.2%
	Output rated current(A)	15
	Output waveform	Pure sine wave
	Total harmonic distortion v (linear load)	<3%
BATTERY & CHARGER	Battery type	Lead-acid battery / Lithium battery
	Battery voltage(V)	48
	Battery voltage range(V)	40~60
	Charging curve	3-stage adaptive with maintenance
	Over-current protection / Over-temperature protection	Yes / Yes
	Maximum charging/discharging power(W)	4000
EFFICIENCY	Maximum efficiency	97.3%
	Euro-efficiency	96.8%
	MPPT efficiency	99.9%
PROTECTION DEVICES	DC switch rating for each MPPT	Yes
	Grid monitoring	Yes
	Output over current protection	Yes
	Output overvoltage protection-varistor	Yes
	Ground fault monitoring	Yes
	Integrated all-pole sensitive leakage current	Yes
GENERAL	Dimension(W/H/D)(mm)	480*420*215
	Net weight (kg)	27
	DC connection	H4 / MC4
	AC connection	Terminal Block
	Display	LED+LCD
	Communication interfaces	Wi-Fi / USB / GPRS / RS485
	Ingress protection rating	IP65
	Humidity	0~95% RH(No condensing)
	Operating temperature range	-20℃ +60℃ With derating above 45℃
	Cooling concept	Natural
	Altitude	<3000m

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High Frequency On Grid Solar Inverter

SR5000 Series (2.5KW-6KW)



Features

- High Frequency On Grid Solar Inverter
- Rate power: 2.5-6KW
- MPPT efficiency up to 99.50%
- Multiple communications: USB, WIFI etc
- Monitoring inverters freely via mobile phones APP
- Fanless low-noise design
- IP65 water-proof and dust-proof

Introduction

SR5000 series SR inverters take full account of the needs of end customers, with excellent performance at the same time, use LED as inverter status display, effectively improve product life. Using DSP digital control, could afford wide grid voltage range, have a full range of protection features; to maximize the benefits at the same time, greatly enhance the reliability of the product.

Back panel printing description

Green LED	Continuous light	Normal status
	Flicker	Waiting status
Blue LED	Flicker	Wifi normal communication
Red LED	Continuous light	Fault status
	Flicker	Program of procedure or give an alarm



1. Operation normal (Green)
2. WIFI communication (Blue)
3. Error display (Red)
4. DC switch
5. PV input
6. WIFI connector
7. PC USB connector / RS-485
8. AC output



Solar system connection



Specification

MODEL		SR50-2500	SR50-3000	SR50-3600M	SR50-4200M	SR50-4600M	SR50-5000M	SR50-6000M
RATED POWER(W)		2500	3000	3600	4200	4600	5000	6000
SR INPUT(DC)	Maximum recommended DC power(W)	2875	3450	4100	4800	5300	5750	7000
	Nominal DC operating voltage(V)	360						
	Maximum DC voltage(V)	550						
	Start voltage(V)	100						
	MPPT voltage range(V)	80-550						
	Maximum input current(A)	15	15	11/11	11/11	11/11	11/11	15/15
	No.of MPP tracker	1		2				
	Strings per MPP tracker	1						
GRID OUTPUT(AC)	Nominal AC output power(W)	2500	3000	3600	4200	4600	5000	6000
	Maximum AC output power(VA)	2500	3000	3600	4200	4600	5000	6000
	Nominal output voltage(V);range(V)	220 / 230 / 240;180-280						
	AC grid frequency(Hz);range(Hz)	50/60;45-55/55-65						
	Nominal output current(A)	10.9	13	15.7	18.3	20.0	21.8	26.1
	Maximum output current(A)	11.4	13.7	16.4	19.1	21.0	22.8	27.3
	Total harmonic distortion i(THDi)	<3% @Full load & THDv <1%						
	Power factor at rated power	1						
	Displacement power factor	0.8leading ~ 0.8lagging						
	AC connection	Single phase						
EFFICIENCY	Maximum efficiency	97.2%	97.2%	97.4%	97.4%	97.4%	97.4%	97.4%
	Euro-efficiency	96.8%	96.8%	97.0%	97.0%	97.0%	97.0%	97.0%
	MPPT efficiency	99.5%						
	Self-Consumption night(W)	<1						
PROTECTION DEVICES	DC reverse polarity protection	Yes						
	DC switch rating for each MPPT	Yes						
	Output over current protection	Yes						
	Output overvoltage protection-varistor	Yes						
	Ground fault monitoring	Yes						
	Grid monitoring	Yes						
	Integrated all-pole sensitive leakage current	Yes						
PHYSICAL	Dimension(W/H/D)(mm)	262*368*155	262*368*155	355*412*153	355*412*153	355*412*173	355*412*173	355*412*201
	Net weight (kg)	10	10	13.5	13.5	14.5	14.5	16.5
INTERFACE	DC connection	H4/MC4						
	AC connection	Connector						
	Display	LED						
	Communication interfaces	Wi-Fi / USB / GPRS						
ENVIRONMENT	Ingress protection rating	IP65						
	Humidity	0-100%						
	Operating temperature range	-25°C ~+60°C With derating above 45°C						
	Cooling concept	Natural						
	Noise emission(typical)(dB)	≤25						
	Altitude	<4000m						
OTHERS	Topology	transformerless						
	Warranty	Standard 5years/10 years(opt.)						
	Certificates and approvals	CE / IEC62109 / EN50549-1		CE / IEC62109 / CQC / EN50549-1				

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High Frequency On Grid Solar Inverter

SR5000TM Series (4KW-15KW)



Features

- Wide input voltage range from: 160V-1000Vdc
- IP65 protection degree
- Integrated DC switch
- DSP controller
- The maximum efficiency is 98.4%
- Multi MPPT controller
- WIFI monitoring standard
- Easy installation

Introduction

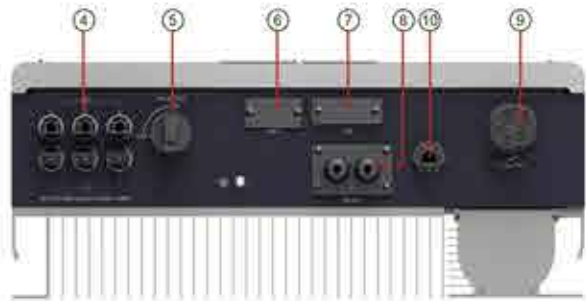
SR5000TM series SR inverters take full account of the needs of end customers, It is used to convert the DC generated by photovoltaic panels into AC and send it to the grid in a three-phase manner,with excellent performance at the same time, use LED as inverter status display, effectively improve product life.

Using DSP digital control,could afford wide grid voltage range, have a full range of protection features; to maximize the benefits at the same time, greatly enhance the reliability of the product.

Back panel printing description



1. Operation normal (Green)
2. WIFI communication (Blue)
3. Error display (Red)



4. PV input
5. DC switch
6. WIFI connector
7. USB
8. RS485
9. AC output
10. Meter

Solar system connection



Specification --- 4-6KW

MODEL		SR50-4000TM	SR50-5000TM	SR50-6000TM
OUTPUT (AC)	Rated AC output power	4000W	5000W	6000W
	Max.AC apparent power	4400VA	5500VA	6600VA
	Max.output current	6.4A	8A	9.6A
	Nominal AC Voltage	230V / 400V		
	AC Voltage range	320-478V		
	AC grid frequency range	50±5Hz		
		60±5Hz		
	Power factor at Rated power	1		
	Adjustable displacement power factor	0.8leading...0.8lagging		
	THDi @ Full load & THDI <1%	< 3%		
	AC grid connection type	3W+N+PE		
INPUT DATA	Max.recommended PV power	4800W	6000W	7200W
	Max.DC voltage	1000V		
	Start voltage	160V		
	Nominal voltage	600V		
	MPPT voltage range	200V-1000V		
	Max.input current	12.5A / 12.5A		
	Number of independent MPP trackers / strings per MPP tracker	2/1		
	DC connection	H4 / MC4		
EFFICIENCY	Max.efficiency	98.4%		
	Euro weighted efficiency	97.6%		
	MPPT efficiency	99.5%		
	Protection devices	DC reverse polarity protection , Output over current protection, Output overvoltage protection-varistor, Integrated DC switch, Ground fault monitoring, Integrated all-pole sensitive leakage current monitoring unit		
GENERAL DATA FEATURES	Dimension(W/H/D)(mm)	500*428*200		
	Weight (kg)	21		
	Operation temperature range	-25℃ - +60℃ with derating above 45℃		
	Noise emission(typical)	≤35dB(A)		
	Altitude	3000m		
	Self-consumption (night)	< 1W		
	Topology	Transformerless		
	Cooling concept	Natural		
	Environmental protection Rating	Ip65		
	Relative humidity	0-100%		
FEATURES	AC connection	Connector		
	Display	LED		
	Interfaces:USB/Wi-Fi/RS485/GPRS	Yes/Yes/Yes/Opt		
	Warranty	Standard 5 years / 10 years (opt.)		
	Certificates and approvals	CE / IEC62109 / EN50549-1		

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Specification --- 7-11KW

MODEL		SR50-7000TM	SR50-8000TM	SR50-9000TM	SR50-10000TM	SR50-11000TM
OUTPUT (AC)	Rated AC output power	7000W	8000W	9000W	10000W	11000W
	Max.AC apparent power	7700VA	8800VA	9900VA	11000VA	12100VA
	Max.output current	11.1A	12.7A	14.3A	15.9A	17.5A
	Nominal AC Voltage	230V / 400V				
	AC Voltage range	320-478V				
	AC grid frequency range	50±5Hz				
		60±5Hz				
	Power factor at Rated power	1				
	Adjustable displacement power factor	0.8leading...0.8lagging				
	THDi @ Full load & THDI <1%	< 3%				
	AC grid connection type	3W+N+PE				
INPUT DATA	Max.recommended PV power	8400W	9600W	10800W	12000W	13200W
	Max.DC voltage	1000V				
	Start voltage	160V				
	Nominal voltage	600V				
	MPPT voltage range	200V-1000V				
	Max.input current	12.5A / 12.5A				
	Number of independent MPP trackers / strings per MPP tracker	2/1				
	DC connection	H4 / MC4				
EFFICIENCY	Max.efficiency	98.4%				
	Euro weighted efficiency	98%				
	MPPT efficiency	99.5%				
	Protection devices	DC reverse polarity protection , Output over current protection, Output overvoltage protection-varistor, Integrated DC switch, Ground fault monitoring, Integrated all-pole sensitive leakage current monitoring unit				
GENERAL DATA FEATURES	Dimension(W/H/D)(mm)	500*428*200				
	Weight (kg)	23.2				
	Operation temperature range	-25℃ - +60℃ with derating above 45℃				
	Noise emission(typical)	≤35dB(A)				
	Altitude	3000m				
	Self-consumption (night)	< 1W				
	Topology	Transformerless				
	Cooling concept	Natural				
	Environmental protection Rating	Ip65				
	Relative humidity	0-100%				
FEATURES	AC connection	connector				
	Display	LED				
	Interfaces:USB/WI-FI/RS485/GPRS	yes/yes/yes/opt				
	Warranty	Standard 5 years / 10 years (opt.)				
	Certificates and approvals	CE / IEC62109 / EN50549-1				

Specification --- 12-15KW

MODEL		SR50-12000TM	SR50-13000TM	SR50-15000TM
OUTPUT (AC)	Rated AC output power	12000W	13000W	15000W
	Max.AC apparent power	13200VA	14300VA	16500VA
	Max.output current	19A	20.6A	23.8A
	Nominal AC Voltage	230V / 400V		
	AC Voltage range	320-478V		
	AC grid frequency range	50±5Hz		
		60±5Hz		
	Power factor at Rated power	1		
	Adjustable displacement power factor	0.8leading...0.8lagging		
	THDi @ Full load & THDI <1%	< 3%		
	AC grid connection type	3W+N+PE		
INPUT DATA	Max.recommended PV power	14400W	15600W	18000W
	Max.DC voltage	1000V		
	Start voltage	160V		
	Nominal voltage	600V		
	MPPT voltage range	200V-1000V		
	Max.input current	21A / 11A		
	Number of independent MPP trackers / strings per MPP tracker	2/2+1		
	DC connection	H4 / MC4		
EFFICIENCY	Max.efficiency	98.4%		
	Euro weighted efficiency	98%		
	MPPT efficiency	99.5%		
	Protection devices	DC reverse polarity protection , Output over current protection, Output overvoltage protection-varistor, Integrated DC switch, Ground fault monitoring, Integrated all-pole sensitive leakage current monitoring unit		
GENERAL DATA FEATURES	Dimension(W/H/D)(mm)	500*428*200		
	Weight (kg)	24.8		
	Operation temperature range	-25℃ - +60℃ with derating above 45℃		
	Noise emission(typical)	≤35dB(A)		
	Altitude	3000m		
	Self-consumption (night)	< 1W		
	Topology	Transformerless		
	Cooling concept	Natural		
	Environmental protection Rating	Ip65		
	Relative humidity	0-100%		
FEATURES	AC connection	connector		
	Display	LED		
	Interfaces:USB/WI-FI/RS485/GPRS	yes/yes/yes/opt		
	Warranty	Standard 5 years / 10 years (opt.)		
	Certificates and approvals	CE / IEC62109 / EN50549-1		

The technical specifications of this document are subject to change without any notice

High Frequency On/Off Hybrid Solar Inverter

SR1800 Series (8KW-10KW)



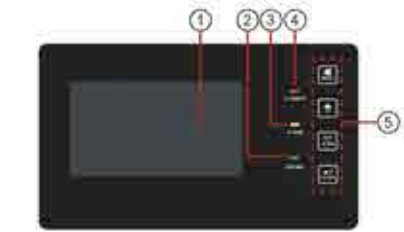
Features

- Pure sine wave inverter
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD setting
- Configurable AC/Solar Charger priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/ Over temperature/ short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

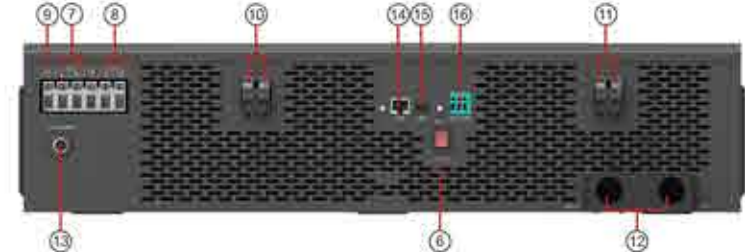
Introduction

This is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Back panel printing description

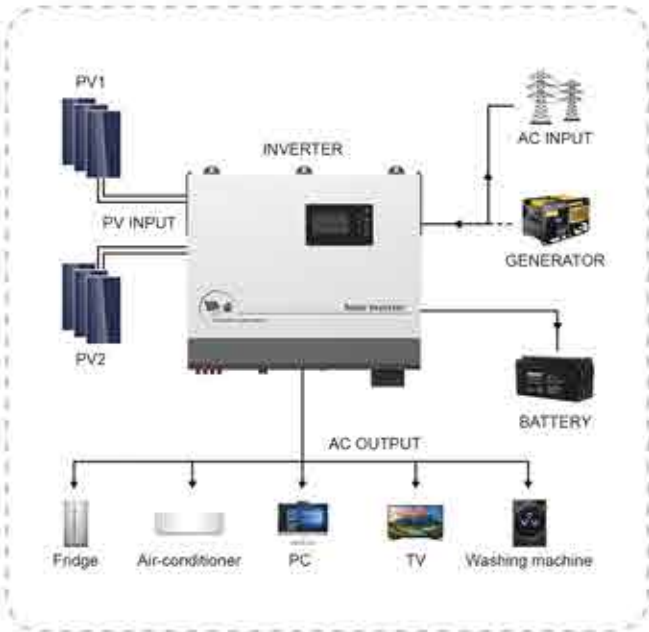


1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



6. Power On/Off Switch
7. AC Input
8. AC Output
9. Ground
10. PV1 Input
11. PV2 Input
12. Battery Input
13. Circuit breaker
14. RS-485 Communication port
15. USB
16. Dry Contact

Solar system connection



Specification

MODEL		SR18-8048	SR18-10048
Nominal Battery System Voltage		48VDC	
INVERTER OUTPUT	Rated Power	8000W	10000W
	Surge Power	16000W	20000W
	Waveform	Pure Sine Wave	
	AC Voltage Regulation (Batt.Mode)	230VAC±5%	
	Output Frequency	60Hz or 50Hz	
	Inverter Efficiency(Peak)	93%	
	Transfer Time	10ms (UPS) 20ms (APL)	
AC INPUT	Nominal Input Voltage	230VAC	
	Max AC Input Voltage	300VAC	
	Selectable Voltage Range	170~280VAC (UPS) / 90~280VAC (APL) / 184~253VAC(VDE4105)	
	Frequency Range	50Hz / 60Hz(Auto detection)	
BATTERY	Normal Voltage	48VDC	
SOLAR CHARGER & AC CHARGER	Charging Current	2-120A	
	Maximum PV Array Open Circuit Voltage	145VDC	
	PV Array Open Circuit Voltage	60-130VDC	
	Cold Start Voltage	46.0VDC	
	Solar Charging Current	160A	
	Default Charging Current	160A	
	Maximum Charge Current	280A	
	Charging Algorithm	3-step (Flooded Battery / AGM / GEL/ LEAD Battery), 4-step(LI)	
MECHANICAL SPECIFICATIONS	Machine Dimensions(W*H*D)(mm)	503*600*141.2	
	Net Weight(kg)	21.0	
OTHER	Safety Certification	CE	
	Operating Temperature	0°C~50°C	
	Storage Temperature	-15°C ~60°C	

High Frequency On/Off Hybrid Solar Inverter

SR1800 Plus Series (2KW-5.5KW)



Features

- Rated Power 2KW-5.5KW
- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable battery charging current suits different types of batteries
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Monitoring software & Wifi Kit for real-time status display and control
- Support parallel operation up to 3 units

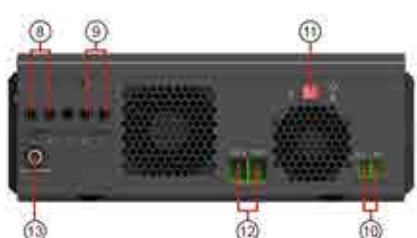
Introduction

SR1800 Plus series hybrid solar inverter, it can realize self-consumption and feed-in to the grid from solar energy with best solution according to your setting. During the daytime solar power can run your home appliances and if there is extra solar power it will feed-in to the grid or you can choose to save them on the battery to backup when power failure or nighttime.

Back panel printing description



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons
6. Dry contact
7. USB
8. AC Input
9. AC Output
10. PV Input
11. Power On/Off Switch
12. Battery Input
13. Circuit breaker
14. Parallel connection port
15. RS-485 Communication port
16. USB WIFI

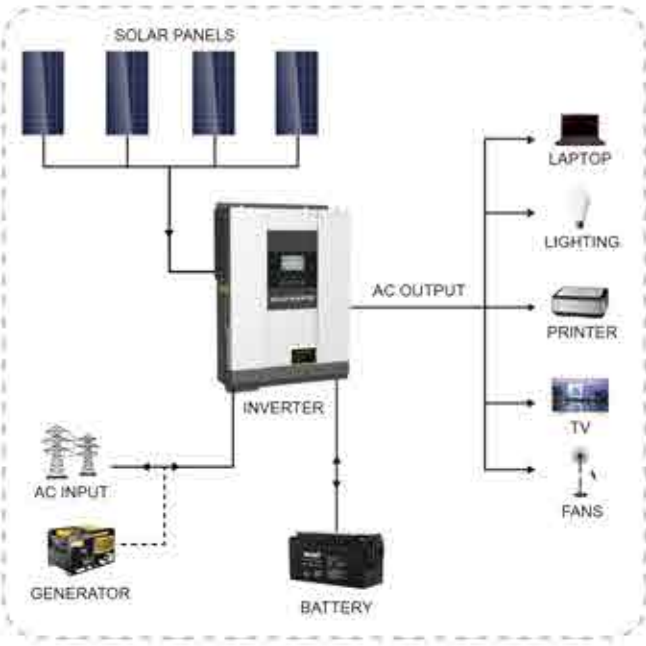


(2KW-3KW)



(3KW-5.5KW)

Solar system connection



Specification

MODEL		SR18-2024 Plus	SR18-3024 Plus	SR18-3048 Plus	SR18-4048 Plus	SR18-5048 Plus	SR18-5548 Plus
Nominal Battery System Voltage		24VDC		48VDC			
INVERTER OUTPUT	Rated Power	2000W	3000W	3000W	4000W	5000W	5500W
	Surge Power	4000W	6000W	6000W	8000W	10000W	11000W
	Waveform	Pure Sine Wave					
	AC Voltage Regulation (Batt.Mode)	220VAC~240VAC(setting)					
	Electric Current	8.7A	13A		17.4A	21.7A	23.9A
	Inverter Efficiency(Peak)	93%					
	Transfer Time	10ms(UPS /VDE4105) 20ms(APL)					
AC INPUT	Voltage	230VAC					
	Selectable Voltage Range	170~280VAC(UPS), 90~280VAC(APL), 184~253VAC(VDE4105)					
	Frequency Range	50Hz / 60Hz (Auto Sensing)					
BATTERY	Normal Voltage	24VDC		48VDC			
	Floating Charge Voltage	27.4VDC		54.8VDC			
	Overcharge Protection	30VDC		60VDC			
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC					
	PV Array MPPT Voltage Range	30~130VDC		64~130VDC			
	Standby Power Consumption	2W					
	Maximum PV Array Power	2000W		4000W			
	Maximum Solar Charge Current	80A					
	Maximum Efficiency	98%					
	Maximum AC Charge Current	60A					
	Maximum Charge Current	140A					
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)	272*355*100 mm		297.5*468*125mm			
	Net Weight(KG)	7.4		10			
	Package Dimensions(W*H*D)	570*405*246mm		610*405*241mm			
	Gross Weight(KG)	10		12.6			
OTHER	Humidity	5% to 95% Relative Humidity (Non-condensing)					
	Operating Temperature	0°C ~55°C					
	Storage Temperature	-15°C ~60°C					

Pure Sine wave High Frequency solar Inverter(450V)

SR1800 PRO Series (3KW, 5.2KW)



Features

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- MAX PV Array Open Circuit Voltage: 450V
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- WIFI remote monitoring (optional)
- Compatible to generator

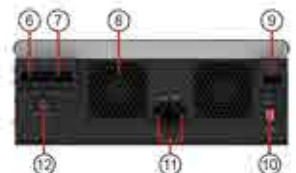
Introduction

SR1800 PRO is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. SR1800 PRO Series can run without battery. The Maximum SR array open circuit voltage can reach 450V and MPPT voltage is 150~430V, which can help customers make full use of solar energy.

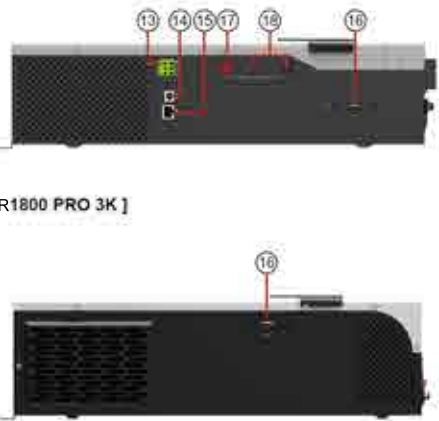
Back panel printing description



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



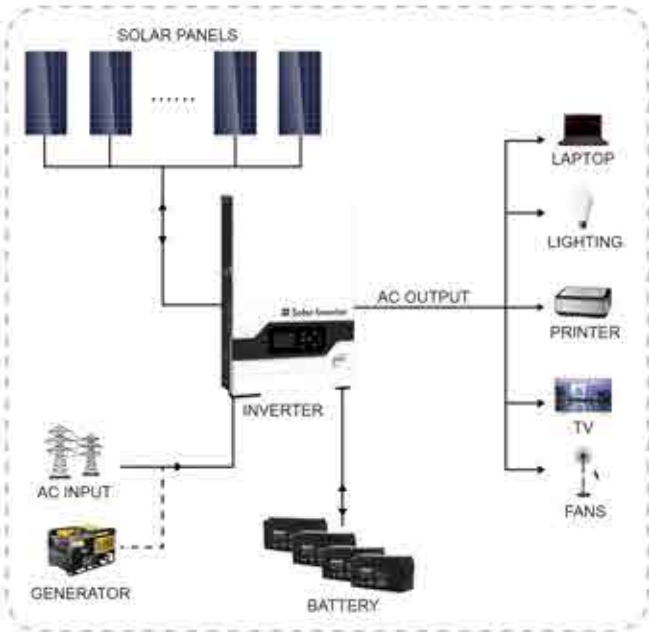
6. AC Input
7. AC Output
8. FAN
9. PV Input
10. Power On/Off Switch
11. Battery Input
12. Circuit breaker



13. Dry Contact
14. USB
15. RS-485 Communication port
16. USB WiFi
17. Parallel switch
18. Parallel communication port

6. AC Input
7. AC Output
8. FAN
9. PV Input
10. Power On/Off Switch
11. Battery Input
12. Circuit breaker
13. Dry Contact
14. USB
15. RS-485 Communication port
16. USB WiFi
17. Parallel switch
18. Parallel communication port

Solar system connection



Specification

Model	SR18-3024 PRO	SR18-5248 PRO
Nominal Battery System Voltage	24VDC	48VDC
INVERTER OUTPUT		
Rated Power	3000VA / 3000W	5200VA / 5200W
Surge Power	6000W	10400W
Waveform	Pure sine wave	
AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)	
Inverter Efficiency(Peak)	90%~93%	
Transfer Time	10ms (UPS / VDE4105) 20ms (APL)	
AC INPUT		
Voltage	230VAC±5%	
Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL)	
Frequency Range	50Hz/60Hz(Auto sensing)	
BATTERY		
Normal voltage	24VDC	48VDC
Floating Charge Voltage	27.4VDC	54.8VDC
Overcharge Protection	30VDC	60VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit Voltage	450VDC	
Maximum PV Array Power	5000W	
PV Array MPPT Voltage Range	150~430 VDC	
Maximum Solar Charge Current	80A	
Maximum AC Charge Current	60A	
Maximum Charge Current	80A	
MECHANICAL SPECIFICATIONS		
Machine Dimensions (W*H*D)(mm)	322*486*134	309*505*147
Package Dimensions (W*H*D)(mm)	426*560*260.5	375*655*269
Net Weight(kg)	8	14
Gross Weight(kg)	9.5	16.4
OTHER		
Humidity	5% to 95% Relative humidity (Non-condensing)	
Operating Temperature	-10℃ ~50℃	
Storage Temperature	-15℃ ~60℃	

Low Frequency On/Off Grid Hybrid Solar Inverter

SR3000 Series (3KW-4KW)



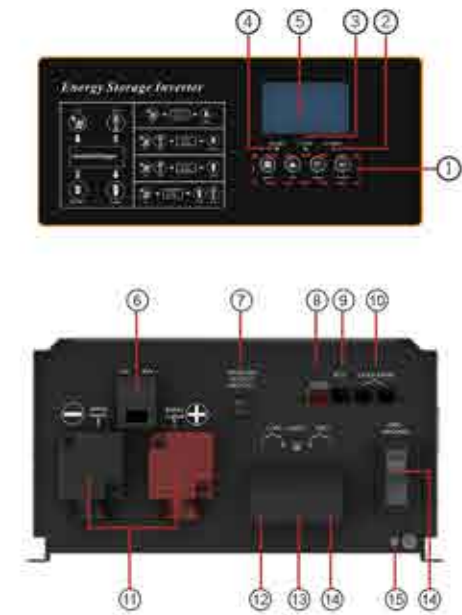
Features

- Rated power 3KW to 4KW
- Smart LCD setting(Working modes, Charge Current, Charge Voltage, etc.)
- MPPT Efficiency max 98%
- Combining solar system, AC utility, and battery power source to supply continuous power
- Multiple operations: basic Grid-tie, Off-Grid, Grid-Interactive
- Parallel operation with up to 3 units
- Support CAN, RS485 monitoring function

Introduction

SR3000 series Energy Storage Inverter has capacity of 3KW and 4KW, it is multi-functional, combining functions of inverter, On-Grid, MPPT solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Back panel printing description



1. Funtion Buttons

2. Fault Indicator

3. Charging Indicator

4. Status Indicator

5. LCD Display

6. PV input

7. Inverter output protect

8. Switch
9. BTS

10. CAN&RS485 communication port

11. Battery input

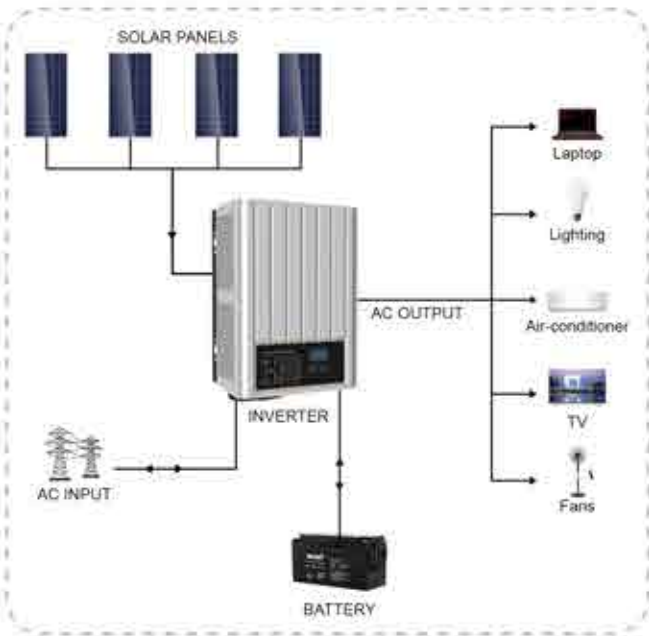
12. Load

13. Earth

14. Grid

15. Earth

Solar system connection



Specification

MODEL		SR30-3048	SR30-4048
Nominal Battery System Voltage		48VDC	
INVERTER OUTPUT	Rated capacity	3750VA	5000VA
	Rated output power	3000W	4000W
	Rated output voltage and frequency	230Vac / 50Hz or 60Hz	
	Rated output current	13A	17.4A
	Output voltage precision	230Vac ± 1%	
	Output frequency precision	50Hz ± 0.1%	
	THD (Linvar loads)	Off grid ≤ 2%	
		Grid discharge ≤ 3%	
		Grid charge ≤ 3%	
	Dynamic response speed	20ms	
	Power factor	Grid discharge 99.9% & Grid charge 99.9%	
	Overload capability	30 minutes @ 100%<loads110%	
		1 minutes @ 100%<loads125%	
		30 seconds @ 125%<loads150%	
		10 seconds @ 150%<loads200%	
		5 seconds @ load>200%	
		5 seconds @ short circuit	
	Grid / Off grid change time	< 10ms	
	Output wave	Sine wave	
	Inverting efficiency 80% resistive loads	≥93%	≥93%
AC INPUT	AC input maximum current	26A	34.8A
	Acceptable input voltage range	Defaults 186Vac ~253Vac; Narrow 174Vac ~272Vac; Wide 95Vac ~272Vac	
	AC Input frequency	47.5Hz ~ 51.5Hz	
BATTERY	Rated input voltage	48VDC	
	Allowed input DC voltage range	40VDC~62VDC	
	Low voltage alarm	42VDC	
SOLAR CHARGER & AC CHARGER	High voltage alarm	60VDC	
	PV Open Circuit Voltage	145VDC	
	Max Solar Charging Current	60A	60A
DISPLAY & PROTECTION FUNCTION	Max AC Charging Current	60A	80A
	LED indication	Systematic operation, indication of charge and discharge, indication of fault	
	LCD display	output voltage, output current, grid voltage, grid current, voltage of storage battery, load power, chart of capacity	
	Protection Function	Input LV protection	
		Input OV protection	
		Output overload protection	
		Output short circuit Protection	
MECHANICAL SPECIFICATIONS	Mounting	Wall mounted	
	Machine Dimensions (W*H*D)(mm)	337*462*183mm	370*462*183
	Package Dimensions (W*H*D)(mm)	476*602*325mm	476*602*325mm
	Net Weight (kg)	29.5	35
	Gross Weight (kg)	33	38.5
OTHER	Communication terminal	RS485 / CAN bus	
	Operation Temperature Range	0℃~ +50℃	
	Environmental Protection Rating	Indoor(IP20)	
	Ambient humidity	0~90% relative humidity (non-condensing)	
	Altitude	≤3000m	

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Low Frequency On/Off Grid Hybrid Solar Inverter

SR3000 Series (10-12KW)



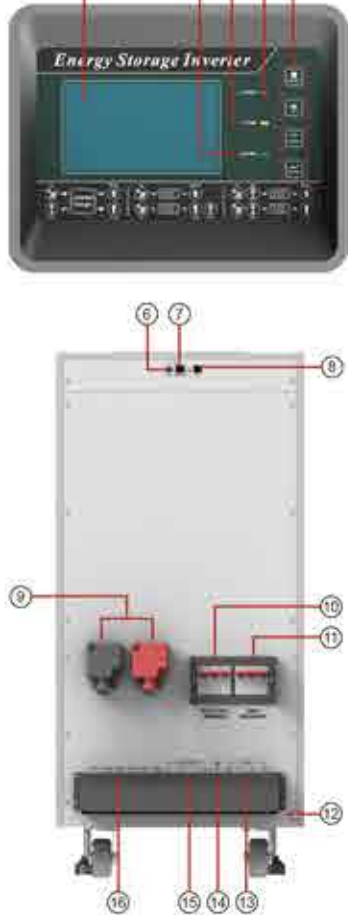
Features

- Rated power 10KW to 12KW
- Smart LCD setting(Working modes, Charge Current, Charge Voltage, etc.)
- Built-in MPPT 180A solar charge controller
- MPPT Efficiency max 98%
- Combining solar system, AC utility, and battery power source to supply continuous power
- Multiple operations: basic Grid-tie, Off-Grid, Grid-Interactive
- Support CAN, RS485 monitoring function

Introduction

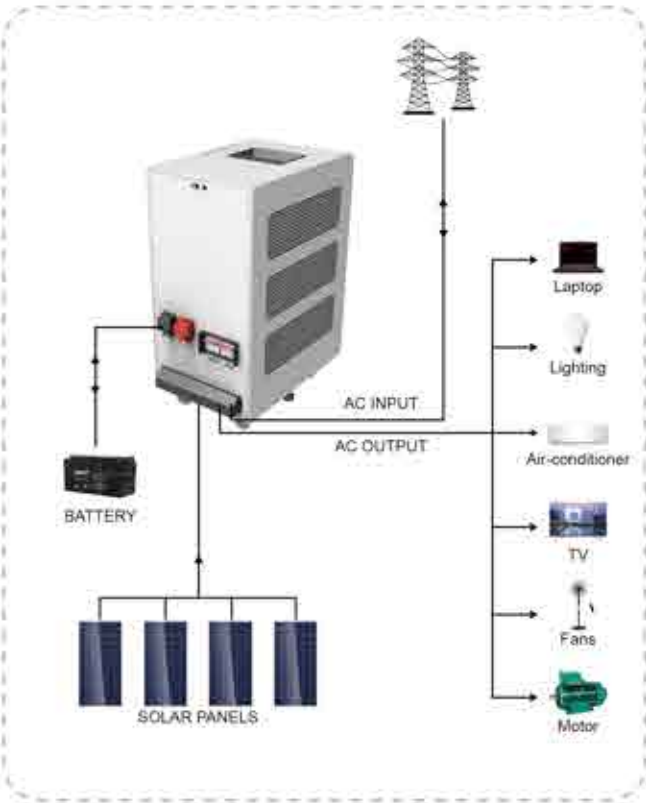
This model SR3000 Three-phase is a flexible and intelligent energy storage inverter which utilizes solar power, utility power, and battery power source to supply continuous power. This is a multi-functional hybrid inverter which can power all kinds of appliances in home or office environment, including motor-type appliances such as tube light, fan, refrigerator and air conditioner. The system generates electricity when it has sufficient sunshine, supplying power to your home and feeding any surplus power back to the Grid.

Back panel printing description



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons
6. USB communication port
7. CAN/RS485 communication
8. BTS
9. Battery input
- 10.AC output breaker
- 11.Grid breaker
- 12.Grounding
- 13.Grid
- 14.Grounding
- 15.AC output
- 16.PV input

Solar system connection



Type of Battery

SR3000 series can be used with lithium battery pack or lead-acid battery, to keep your appliances running for days.



Wall-mounted lithium battery



Rack-mounted lithium battery

Specification

MODEL		SR30-10048-T	SR30-12048-T
Nominal Battery System Voltage		48VDC	
INVERTER OUTPUT	Rated output power	10000W	12000W
	Output wave	Pure sine wave	
	Nominal output voltage	230 VAC (P-N) / 400 VAC (P-P)	
	Nominal output current	14.3A per phase	17.4A per phase
	Nominal output frequency	50 Hz / 60 Hz	
	Rate of wave distortion(THD)(Linearity loads)	Off grids2%; Grid discharge ≤3%; Grid charge ≤3%	
	Peak efficiency	≥93%	
AC INPUT	Overload capability	100%<loads≤110%,30 minutes; 110%<loads≤125%,1 minutes; 125%<loads≤150%,30 seconds; load<150%,10 seconds; Short circuit,5 seconds	
	AC input maximum current	26.0A per phase	34.8A per phase
	Nominal frequency	50Hz / 60Hz	
	Acceptable input voltage range	Defaults 186Vac ~253Vac per phase;Narrow 174Vac ~272Vac per phase; Wide 95Vac ~272Vac per phase	
BATTERY	Type of Battery	Lithium battery or lead-acid battery	
	Nominal Voltage	48VDC	
	Low Voltage Protection Point	Charger 34.0VDC; Inverter 40.0VDC	
	Absorption Voltage	50.0VDC	
	Refloat Voltage	54.8VDC	
SOLAR CHARGER & AC CHARGER	Float Voltage	57.2VDC	
	PV Open Circuit Voltage	145VDC	
	Max Solar Charging Current	60A per channel	
	Max AC Charging Current	60A per phase	80A per phase
MECHANICAL SPECIFICATIONS	Max Charging Current	120A per phase	140A per phase
	Mounting	Vertical	
	Machine Dimension, W*H*D(mm)	392*828*629	
	Package Dimensions (W*H*D)(mm)	513*1031*700	
	Net Weight (kg)	133	140
OTHER	Gross Weight (kg)	128	160
	Communication terminal	RS485 / CAN bus	
	Operation Temperature Range	0℃ ~ +50℃	
	Environmental Protection Rating	IP20	
	Ambient humidity	0 – 90% relative humidity (non-condensing)	
	Altitude	≤2000m	

The technical specifications of this document are subject to change without any notice

Solar Water Pump Inverter

SR100 Series (1.5-55KW)



Features

- Support single phase/three phase 220V, and three phase 380V solar water pump inverter, power from 1.5KW to 55KW.
- Simply connect the photovoltaic panel to the solar water pump inverter, and the SR pump can be automatically started after power-on.
- It has protection functions such as SR over-voltage protection, over-temperature automatic protect, etc., which can effectively extend the life of the product.
- Ensure solar power tracking efficiency can reach 99%.
- All series of products can realize automatic switching of SR DC input and grid AC input, which can meet 24 hours of no care work.
- Supports IP20 grade cabinet solutions.

Introduction

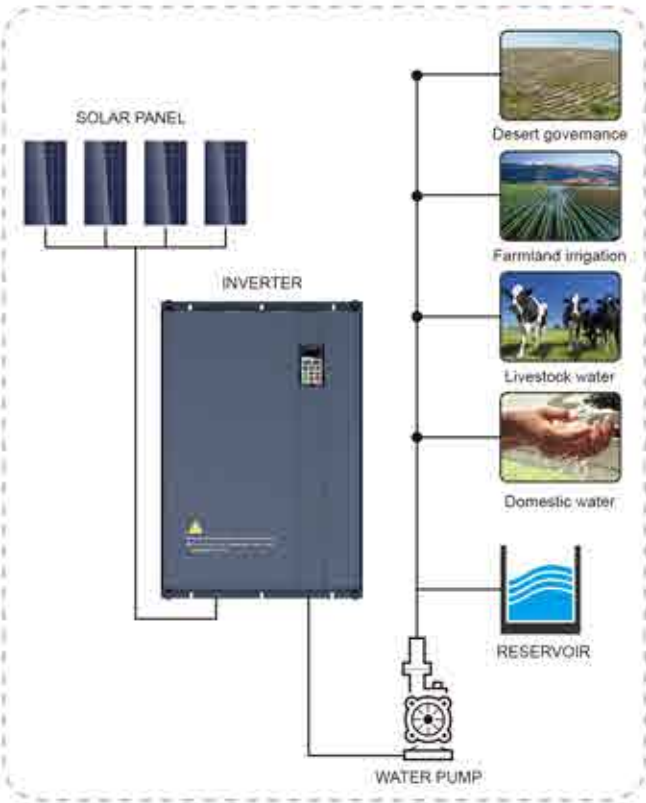
SR100 series is MUST newly launches specially for solar pumping inverter applications. Based on the original solar pump inverter products, which optimizes the usability and performance, and extends applicable voltage levels and power range of the product. The voltage level can be applied to single phase/three phase 220V, three phase 380V pumps, power range from 1.5KW to 55KW.

Back panel printing description



1. Operating instructions
2. Reverse indication
3. Command source indication
4. Frequency indication
5. Current indication
6. Voltage indication
7. LED Display
8. Potentiometer
9. Jog command
10. Increment
11. Decrement
12. Shift key
13. Menu key
14. RUN
15. Enter/confirm
16. Stop/Reset

Solar system connection



Specification

Functionality Description		SR100
TECHNICAL CONTROL PERFORMANCE	Control mode	SVC, V/F
	Motor type	Asynchronous motor
	Speed control accuracy	±0.5% (SVC)
	Starting torque	0.25Hz/150% (SVC)
	Torque boost	Automatic torque boost; manual torque boost 0.1%~30.0%
OPERATIONAL CONTROL PERFORMANCE	Frequency command	Digital setting, analog voltage setting, analog current setting, pulse setting, serial port setting, keyboard potentiometer setting. Can be switched in many ways.
	Auxiliary frequency command	Eleven kinds of auxiliary frequency commands, which can flexibly realize auxiliary frequency fine-tuning and frequency synthesis
	Operation command	Operation command operator panel setting / Control terminal setting / Serial communication port setting / Can be switched in a variety of ways.
	Automatic voltage adjustment function	When the grid voltage changes, it can automatically keep the output voltage constant.
	Speed tracking restart function	Achieve shock-free and smooth start to the rotating motor
EFFICIENCY	MPPT tracking efficiency	99.5%max (PV mode)
PROTECTION	Loss phase protection	Input / output loss phase protection
	Instantaneous overcurrent protection	Stop at ≥250% of rated output current
	Over-voltage protection	Stop at ≥800V of main circuit DC voltage
	Low-voltage protection	The main circuit DC voltage will stop when undervoltage (different depending on the model)
	Over-temperature protection	Protection will be triggered when the inverter bridge over-temperature
	Overload protection	Over-load ≥150% 60s, inverter will shut down
	Over current protection	If rated current over 2.5 times, inverter will shutdown for protection
	Brake protection	Braking unit overload protection, braking resistor short circuit protection
	Short circuit protection	Output phase short circuit protection
CONTROL SINGLE	Communication interface	RS-485 interface
	Input terminal X	8 X terminals, more than fifty kinds of input function options. The X8 terminal supports high-speed pulse signal input.
	Output terminal	1 high-speed pulse output terminal (open-collector type is optional), supports 0~100kHz square wave signal output; 2 AO terminals; 2 relay output terminals.
	Control voltage source output	DC24V, 100mA
	Analog signal input	AI1: 0V~+10V; AI2: 0~+10V / 0~20mA, the main board dial switch selection. AI3: -10V~+10V;
	Analog signal output	2 ways, 0~+10V / 0~20mA output programmable, selected by the main board dial switch.
	Open-collector output	2 ways, multiple operating states are optional; the maximum output current is 50mA.
	Programmable relay output	2 ways, multiple states are available; contact capacity: 250VAC/3A or 30VDC/1A.
DISPLAY	Five-digit display	31 state parameters such as setting frequency, output frequency, output voltage, output current, motor speed, output torque, switch value terminal, etc., programming menu parameters and 25 fault codes, etc.
	Indicator light (LED)	Parameter unit, setting direction, RUN/STOP status, control mode
ENVIROMENT	Use occasions	The room is free from direct sunlight, dust, corrosive gas, combustible gas, oil mist, water vapor, dripping water or salt, etc
	Altitude	1000 meters below sea level (When the altitude exceeds 1000m, derate at a rate of 1% per 100m height)
	Ambient temperature	-10℃ ~+40℃, it is not recommended to run above 50℃ (when the ambient temperature exceeds 40℃, derate at a rate of 3% per 1℃ derating)
	Humidity	5%~95%RH, no condensation
	Vibration	Less than 5.9m/s2 (0.6g)
	Storage temperature	-20℃ ~ +60℃, air temperature change is less than 1℃ /min
	Protection class	IP20
STRUCTURE	Cooling method	Air cooling
	Installation type	Wall-mounted

MPPT SOLAR CHARGE CONTROLLER

— SR1800F SERIES (60/80/100A)

— SR1800A SERIES (60/80A)

— SR1600A SERIES (20/30/40A)

MPPT (Maximum Power Point Tracking) Solar Charge Controller offer an efficient, safe, multi-stage recharging process that prolongs battery life and assures peak performance from a solar array. Each Charge Controller allows customized battery recharging



Features

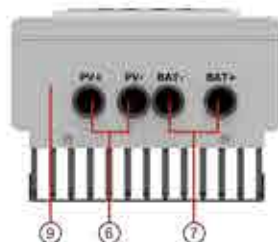
- LCD display, easy to operate on LCD screen
- Multi stage charging
(3-stage charging, parallel charging and equalized charging function)
- BTS - Battery remote temperature sensor terminal
- Enable to charge Li-thium, Gel, lead-acid battery
- With RS485 & USB communication port
- Protection: SR array short circuit, SR reverse polarity, Battery reverse polarity, Over charging, Output short circuit

Back panel printing description



— SR1800A SERIES (60/80A)

1. LCD display
2. Power ON/Charging indicator
3. Fault and warning indicator
4. Wiring fault indicator
5. Operation button



6. PV connectors
7. Battery connectors
8. Battery temperature sensor terminal



9. Wiring box cover
10. RS485 communication port
11. USB

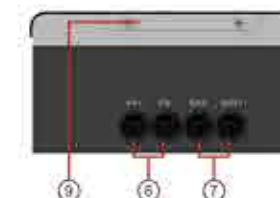


— SR1800F SERIES (60/80/100A)

1. LCD display
2. Power ON/Charging indicator
3. Fault and warning indicator
4. Wiring fault indicator
5. Operation button



6. PV connectors
7. Battery connectors
8. Battery temperature sensor terminal

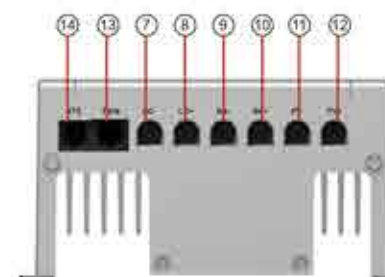
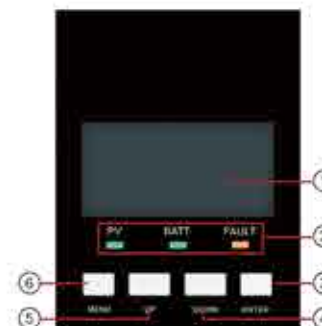


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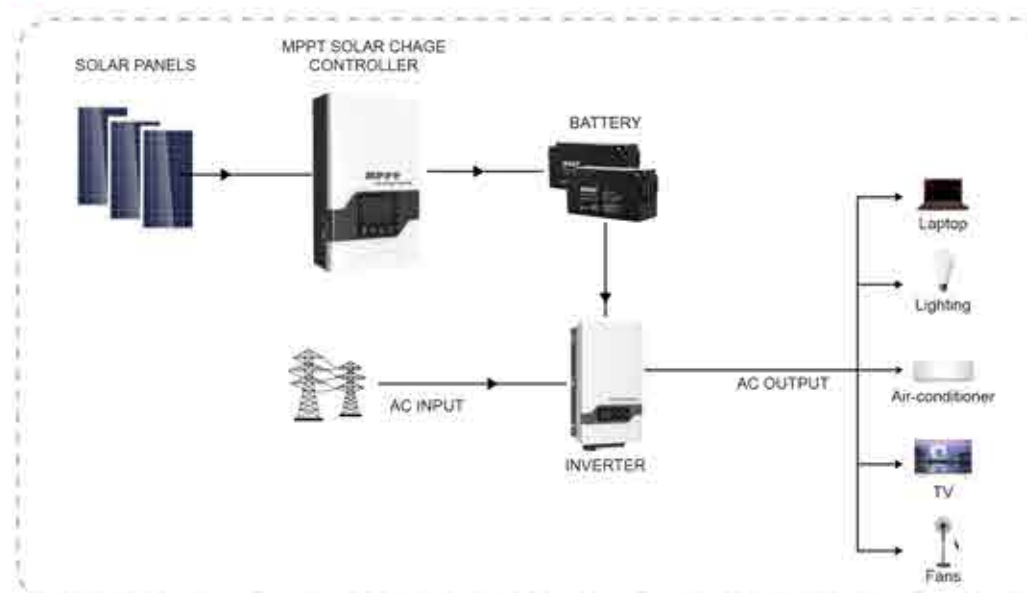
9. Wiring box cover
10. RS485 communication port
11. USB

— SR1600A SERIES (20/30/40A)

1. LCD Display
2. LED Indicator
3. Confirm the selection in setting mode
4. Decrease the setting data
5. Increase the setting data
6. Enter or exit setting mode
7. The load negative terminal
8. The load positive terminal
9. The battery negative terminal
10. The battery positive terminal
11. PV array negative terminal
12. PV array positive terminal
13. Communication network terminal
14. Remote external temperature terminal



Solar system connection



Specification —— SR1600A

MODEL		SR16-2015A	SR16-3015A	SR16-4015A
Nominal Battery System Voltage		12VDC / 24VDC (Auto Detection)		
CONTROLLER INPUT	PV Open Circuit Voltage	100VDC@12V / 145VDC @24V		
	PV Array MPPT Voltage Range	16VDC~100VDC@12VDC/32VDC~130VDC@24VDC		
	Max PV Input Power(12V)	300W	450W	600W
	Max PV Input Power(24V)	600W	900W	1200W
BATTERY	Absorption Voltage	12.5VDC / 25.0VDC		
	Refloat Voltage	13.7VDC / 27.4VDC		
	Float Voltage	14.3VDC / 28.6VDC		
	Low Voltage Protection Point	10.0VDC / 20.0VDC		
DC OUTPUT	Output Voltage	10.0~14.5VDC / 20.0~29.0VDC		
	Peak Conversion Efficiency	98%(MPPT Efficiency 99%)		
	Max Charging Current	20 amps continuous	30 amps continuous	40 amps continuous
	Max Output Current	20 amps continuous	20 amps continuous	20 amps continuous
	Low Voltage alarm	10.25VDC / 20.5VDC		
	Low Voltage cut off	10.0VDC / 20.0 VDC		
	Low Voltage Recovery	11.0VDC / 22.0VDC		
GENERAL SPRCIFICATION	Radiating Mode	Automatic cooling		
DISPLAY & PROTECTION	LED Indication	Systematic operation, LV indication, LV protection, Over charge protection Loads protection, Short circuit protection		
	LED Display	Charge Voltage, Charge Current, Voltage of storage battery, Capacity of storage battery, Output current		
	Alarm Protections	PV array short circuit, PV reverse polarity		
		Battery reverse polarity, Over charging protction		
		Output short circuit protection		
MECHANICAL SPECIFICATIONS	Mounting	Wall mount		
	Machine Dimension (W*H*D)(mm)	154*236*88mm (color box / pcs)		
	Gross Wight (kg)(per pcs)	2.2kg	2.65kg	2.65kg
	Package Dimension (W*H*D)(mm)	610*308*230mm (4pcs / Carton)		
	Gross Weight (kg)(per carton)	10.8kg	13.4kg	13.4kg
OTHER	Environmental Rating	Indoor		
	Operation Temperature Range	0℃ ~ 55℃		
	Loading (20GP/40GP/40HQ)	2500pcs / 5000pcs / 5800pcs		

Specification —— SR1800A

MODEL		SR18-6015A		SR18-8015A	
Nominal Battery System Voltage		12V / 24V / 48VDC (Auto detection); 36V (Setting)			
ELECTRICAL SPECIFICATIONS	Maximum Battery Current	60Amps		80Amps	
	Battery Voltage	12V	24V	36V	48V
	Maximum Solar Input Voltage	100V		145V	
	PV Array MPPT Voltage Range	15~95V	30~130V	45~130V	60~130V
	Maximum Input Power	12 Volt-940W		12 Volt-1250W	
		24 Volt-1880W		24 Volt-2500W	
36 Volt-2820W		36 Volt-3750W			
48 Volt-3760W		48 Volt-5000W			
Protections	Solar high voltage disconnect; Solar high voltage reconnect; Battery high voltage disconnect; Battery high voltage reconnect; High temperature disconnect;High temperature reconnect				
BATTERY CHARGING	Charging Algorithm	3-Step or 4-Step (Li)			
	Temperature Compensation Coefficient	-5mV / °C / cell (25°C ref.)			
	Temperature Compensation Set Points	Absorption, Float			
	Charging Set Points	Absorption Stage		Float Stage	
	Flooded Battery	14.2V / 28.4V / 42.6V / 56.8V		13.7V / 27.4V / 41.1V / 54.8V	
	AGM / GEL / LEAD Battery (Default)	14.4V / 28.8V / 43.2V / 57.6V		13.7V / 27.4V / 41.1V / 54.8V	
	Over-charging Voltage	15.5V / 30.0V / 45.0V / 60.0V			
	Over-charging Comeback Voltage	14.5V / 29.5V / 44.5V / 59.0V			
	Battery Defect Voltage	10.0V / 17.0V / 25.5V / 34.0V			
MECHANICAL AND ENVIRONMENT	Product Size (W*H*D)(mm)	315*160*135			
	Product Weight (kg)	4.7kg			
	Ambient Temperature Range	-10°C to 55°C			
	Storage Temperature	-40°C to 75°C			
	Humidity	0%~90% RH (No condensing)			
	Enclosure	IP20			

Specification —— SR1800F

MODEL		SR18-6015F		SR18-8015F		SR18-10015F	
Nominal Battery System Voltage		12V / 24V / 48VDC (Auto detection); 36V (Setting)					
CONTROLLER INPUT	Battery Voltage	12V	24V	36V	48V		
	Maximum Solar Input Voltage	100V	145V				
	PV Array MPPT Voltage Range	15~95V	30~130V	45~130V		60~130V	
	Maximum Input Power	12 Volt-940W 24 Volt-1880W 36 Volt-2820W 48 Volt-3760W	12 Volt-1250W 24 Volt-2500W 36 Volt-3750W 48 Volt-5000W		12 Volt-1560W 24 Volt-3120W 36 Volt-4680W 48 Volt-6250W		
BATTERY	Charging Set Points	Absorption Stage			Float Stage		
	Flooded Battery	14.2V / 28.4V / 42.6V / 56.8V			13.7V / 27.4V / 41.1V / 54.8V		
	AGM (Default)	14.4V / 28.8V / 43.2V / 57.6V			13.7V / 27.4V / 41.1V / 54.8V		
	Over-charging Voltage	15.5V / 30.0V / 45.0V / 60.0V					
	Over-charging Comeback Voltage	14.5V / 29.5V / 44.5V / 59.0V					
	Battery Defect Voltage	10.0V / 17.0V / 25.5V / 34.0V					
	Temperature Compensation Coefficient	-5mv / °C /cell (25°C ref)					
	Peak Conversion Efficiency	98% (MPPT Efficiency 99%)					
	Maximum Battery Current	60Amps		80Amps		100Amps	
	Max Charging Current	60amps continuous @ 40°C ambient		80amps continuous @ 40°C ambient		100amps continuous @ 40°C ambient	
GENERAL SPECIFICATION	Radiating Mode	Fan cooling					
DISPLAY & PROTECTION	Protections	Solar high voltage disconnect Solar high voltage reconnect Battery high voltage disconnect Battery high voltage reconnect High temperature disconnect High temperature reconnect					
MECHANICAL SPECIFICATIONS	Mounting	Wall mount					
	Machine Dimension (W*H*D)(mm)	152*85*294 (per pcs)					
	G.W (kg)	3kg/pcs					
	Package Dimension (W*H*D)(mm)	625*366*232 (4pcs / Carton)					
	Gross Weight (kg)	14kg					
OTHER	Environmental Rating	Indoor					
	Operation Temperature Range	-10~55°C					
	Ambient Humidity	0~90% relative humidity (non-condensing)					
	Altitude	≤3000m					

The technical specifications of this document are subject to change without any notice