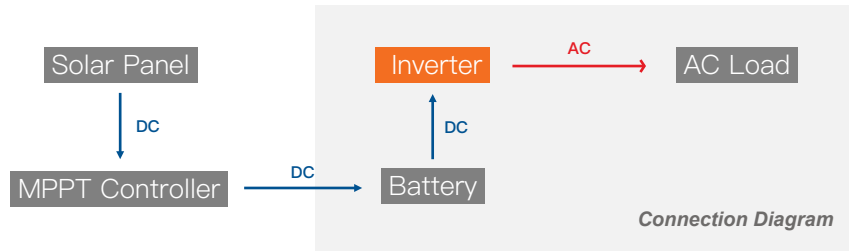


SR-IC series

High-Frequency Pure Sine Wave Inverter

SR-IC12-1kW SR-IC12-2kW SR-IC12-3kW SR-IC24-3kW



Stable

- Advanced SPWM modulation technology with pure sine wave output and high power quality.
- High power density and long life devices are selected to support long term operation at full power.

Efficiency

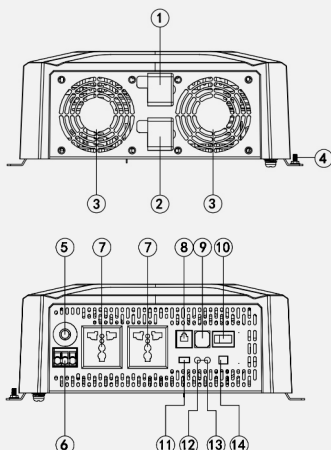
- High conversion efficiency, low losses and low harmonic distortion rate.
- Multiple operating modes for maximum power savings.

Intelligent

- Bluetooth as standard, supports mobile phone app to view device operating parameters.
- Multiple expansion interfaces to meet the diverse needs of users.

Safety

- With battery over-voltage and over-discharge protection, output overload and short-circuit protection and over-temperature protection.
- (there is no reverse connection protection, please do not reverse the connection)
- Surge protection design is suitable for lithium battery power systems.



Main

Items	SR-IC12-1kW	SR-IC12-2kW	SR-IC12-3kW	SR-IC24-3kW
Rated battery voltage		12Vdc		24Vdc
Battery voltage range		10.8~16Vdc		21.6~32Vdc
Rated output power	1,000W	2,000W		3,000W
Peak power	2,000W	4,000W		6,000W
Rated output voltage		220/230 (default) /240Vac (±3%)		
Output Frequency		50/60Hz		
Output Waveform		Pure sine wave		
THD		THD<3% (Resistive load)		
Power Factor		0.2~1 (Load power≤Continuous output power)		
Rated Output Efficiency	>90%	>89%	>90%	>90%
Max. Output Efficiency	>93.5%(30% load)	>92%(30% load)	>91.5%(30% load)	>93.5%(30% load)
Standby Current (OFF mode)	<0.26A	<0.24A	<0.24A	<0.13A
0 Load Current (ON mode)	<0.8A	<1.0A	<1.45A	<1.2A

General

Items	SR-IC12-1kW	SR-IC12-2kW	SR-IC12-3kW	SR-IC24-3kW
Dimensions	329*229*88mm		366*300*116mm	
Weight	3.2kg	6.0kg	7.0kg	6.0kg
Noise			<60dB	
Cooling Method			Neutral Cooling+ Intelligent Fan	
IP Grade			IP20	
Ambient Temperature			-20°C~60°C	
Certificates			CE, ROHS, IEC62109-1/2, EN61000-6-2/4	

Port

No	Port	No	Port
1	Battery positive terminal	8	RS485 port
2	Battery negative terminal	9	USB port*2 5V/2A
3	Cooling fan	10	ON/OFF/ECO mode switch
4	Grounding terminal	11	TTL port
5	Over-load protector	12	Operation indicator
6	AC output port 1 (terminal)	13	Fault indicator
7	AC output port 2 (socket)	14	External switch terminal

*Please read user manual for more information