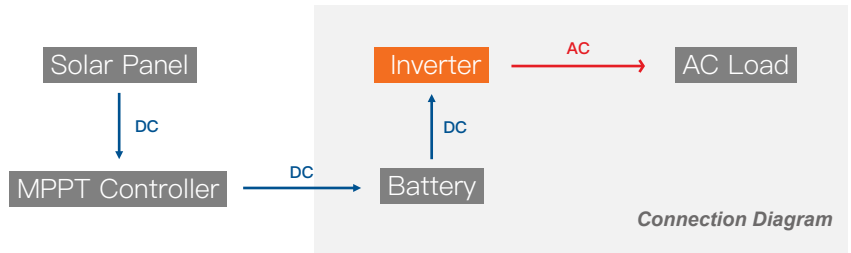


SR-IU series



High-Frequency Pure Sine Wave Inverter

SR-IU12-3kW



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

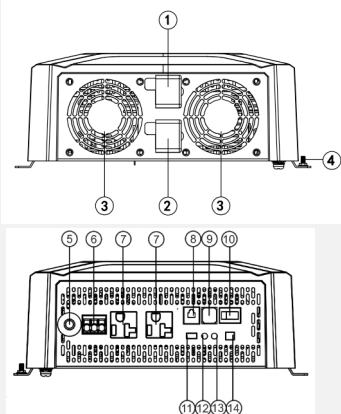
- High conversion efficiency, low losses and low harmonic distortion rate.
- Multiple operating modes for maximum power savings.

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-IU12-3kW
Rated battery voltage	12Vdc
Battery voltage range	10.8~16.0Vdc
Rated output power	3,000W
Peak power	6,000W
Rated output voltage	110/115/120Vac (±3%)
Output Frequency	50/60Hz
Output Waveform	pure sine wave
THD	THD<4% (resistive load)
Power Factor	0.2-1 (load power ≤ continuous output power)
Rated Output Efficiency	>90.0%
Max. Output Efficiency	>91.5%(30% load)
Standby Current (OFF mode)	<0.24A
0 Load Current (ON mode)	<1.45A

General

Items	SR-IU12-3kW
Dimensions	406*300*116mm
Weight	5.3kg
Noise	≤60dB
Cooling Method	natural cooling + intelligent air cooling
Protection Degree	IP20
Ambient Temperature	-20°C~60°C
Certification	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