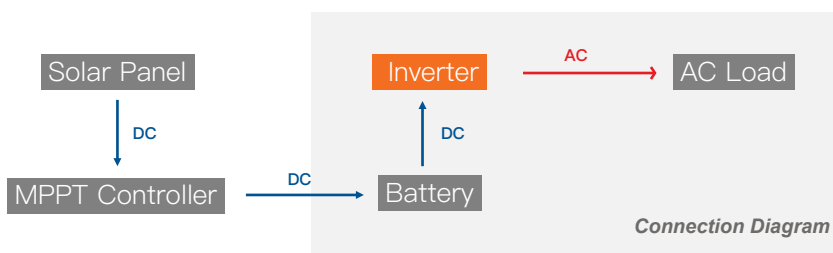


# SR-IBC series

## High-Frequency Pure Sine Wave Inverter

SR-IBC12-3kW-AU



### 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

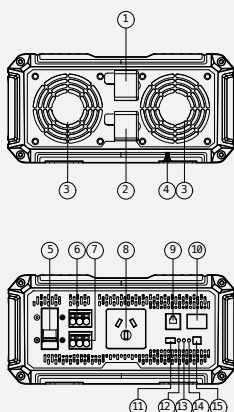
- High conversion efficiency, low losses and low harmonic distortion rate.
- Multiple operating modes for maximum power savings.

### 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-IBC12-3kW-AU
Rated battery voltage	12Vdc
Battery voltage range	10.8~16.0Vdc
Rated output power	3,000W
Peak power	6,000W
Rated output voltage	220/230 (default) /240Vac (±2%)
Output Frequency	50/60Hz
Output Waveform	pure sine wave
THDV	THDV<4% (resistive load)
Power Factor	0.2-1 (load power ≤ continuous output power)
Rated Output Efficiency	>87%
Max. Output Efficiency	>92%(30% load)
No-load loss	<16W

## General

Items	SR-IBC12-3kW-AU
Dimensions	453*249*120mm
Weight	8.3kg
Noise	≤60dB
Cooling Method	Neutral Cooling+ Intelligent Fan
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	9	RS485 port
2	Battery negative terminal	10	ON/OFF/ECO mode switch
3	Cooling fan	11	TTL port
4	Grounding terminal	12	Inverter indicator light
5	Output AC RCD leakage protection switch	13	Bypass light
6	AC output port	14	Fault indicator
7	AC output port 1	15	External switch terminal
8	AC output port 2		

\*Please read user manual for more information