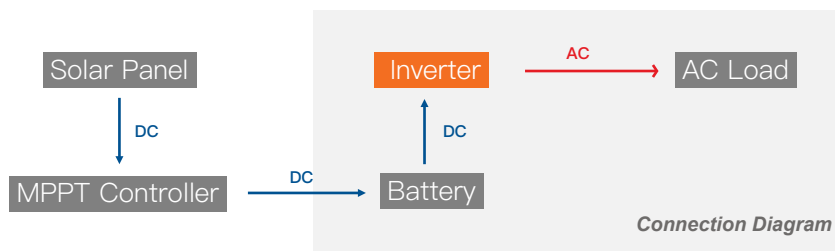


# SR-IBC series

## 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

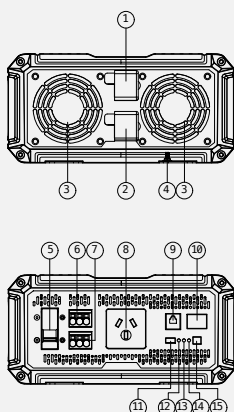
- High conversion efficiency, low losses and low harmonic distortion rate.
- Multiple operating modes for maximum power savings.

### 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