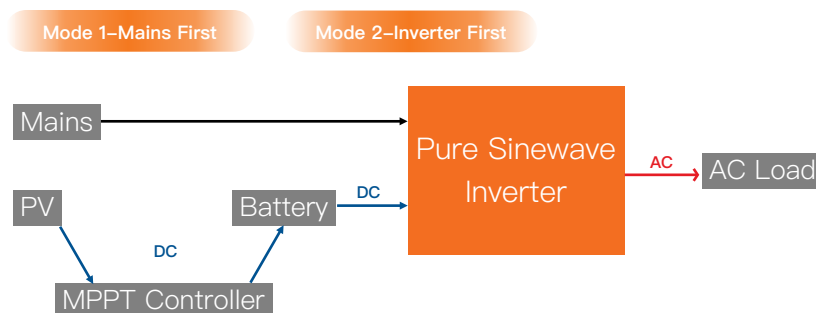


SR-IBU series

Pure Sinewave Inverter with Transfer Switch

SR-IBU12-2kW



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

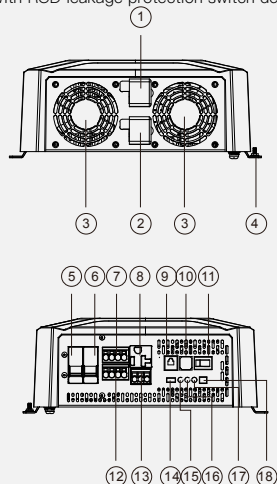
- High conversion efficiency, low loss, low harmonic distortion rate
- Three working modes, ON/OFF/ECO to maximise power saving.
- UPS function: utility bypass, inverter output automatic uninterrupted switching power supply

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, over-discharge protection, output overload, short-circuit protection
- And over-temperature protection (note that there is no reverse connection protection, please do not reverse the connection)
- N-G grounding protection in inverter mode.
- Anti-surge design for lithium battery power supply system.
- With RCD leakage protection switch design



Main

| Items | SR-IBU12-2kW |
|---------------------------|---|
| Mains | |
| Rated battery voltage | 12Vdc |
| Battery voltage range | 10.8~16.0Vdc |
| Rated output power | 2,000W |
| Peak power | 4,000W |
| Rated output voltage | 110/120Vac (±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 | >88.0% |
| Max. Output Efficiency | >92%(30% Load) |
| Standby loss | <3W |
| No-load loss | <16W |
| AC Input Voltage | Single-Phase: 90VAC~140VAC/Split-Phase: 180VAC~280VAC |
| AC Input Frequency | 45~65HZ |
| AC IN Rated Input Current | 25A |
| General | |
| Dimensions | 406*300*116mm |
| Weight | 6.9kg |
| Ambient Temperature | -20℃~60℃ |
| Moisture | ≤ 95% |
| Protection Degree | IP20 |
| Cooling Method | Neutral Cooling+ Intelligent Fan |
| Noise | ≤60dB |

Port

| No | Port | No | Port |
|----|--|----|-----------------------------------|
| 1 | Battery positive terminal | 10 | USB port |
| 2 | Battery negative terminal | 11 | ON/OFF/ECO Mode Switch |
| 3 | Cooling fan | 12 | 240V AC output terminal (25A) |
| 4 | Grounding terminal | 13 | 120V AC output terminal (25A) |
| 5 | Output 120V leakage protector | 14 | TTL communication interface |
| 6 | Output 240V leakage protector | 15 | Operation Indicator Light |
| 7 | AC Input Terminal (25A) | 16 | Bypass indicator |
| 8 | 120V Output American Standard Receptacle (16A) | 17 | malfunction indicator |
| 9 | RS485 communication interface | 18 | External switch contact interface |

*Please read user manual for more information