



Technical Specifications

| Model | | RP-INV-12PS-800W | RP-INV-12PS-1000W | RP-INV-12PS-1200W | RP-INV-12PS-1600W | RP-INV-12PS-2100W |
|---|------------------|---|-------------------|-------------------|-------------------|-------------------|
| Rated Capacity (W) | | 800W | 1000W | 1200W | 1600W | 2100W |
| Battery Voltage | | 12V | 12V/24V | | 24V | |
| AC Input | Voltage | 145V ~ 275V | | | | |
| | Frequency | 45Hz ~ 65Hz | | | | |
| AC Output | Voltage | 220V ± 3% (Battery Mode) | | | | |
| | Frequency | 50Hz ± 0.5 | | | | |
| AC Input & Output Connector | | Standard South African 3 Pin Plug | | | | |
| Zero-Load Power Consumption | | 9W | | | | |
| Output Waveform | | Pure Sine Wave | | | | |
| Total Harmonic Distortion (THD) | | ≤ ± 3% | | | | |
| Battery Recharge Current | | 15A | | | | 25A |
| Low Voltage Disconnect | | 10.5 VDC | | | | |
| Bulk Charging Voltage | | 13.7 VDC | | | | |
| Display | | LCD | | | | |
| Transfer Time | | <4ms | | | | |
| Operating Noise | | ≤ 55dB | | | | |
| Operating Temperature Range | | 0°C ~ 40°C | | | | |
| Humidity Range | | Max 90% (Non-Condensing) | | | | |
| Efficiency | | ≥ 85% | | | | |
| Over-Load Protection | | Overload Exceeds 110%, Automatic Shutdown In 30secs Overload Exceeds 120%, Automatic Shutdown In 2secs | | | | |
| Short-Circuit Protection | | Output Short-Circuit, Automatic Shutdown After Keeping Sound 20secs | | | | |
| Battery Protection | | High & Low Voltage Protection | | | | |
| Reverse Polarity Protection | | Reverse Polarity Protection | | | | |
| Unit Dimension (mm) | | 225mm x 125mm x 292 (W x H x L) | | | | |
| Net Weight (kg) | | 8.4 | 9.19 | 9.58 | 10.13 | 18.05 |
| Battery Mode Alarm (Can be disabled) | | No Sound When Grid Is Present Alarm Beeps 4 Times Every 30 Seconds When Grid Is Not Present | | | | |
| Battery Low Voltage Alarm | | Alarm Beeps Every Second When Battery Voltage Is Low | | | | |
| Overload Alarm | | Alarm Beeps Every Second If Unit Is In Overload Condition | | | | |
| Fault Alarm | | Alarm Beeps every Second If A Fault Is Present | | | | |
| Safety Certification | | IEC 62040-1:2017+A1:2021 | | | | |