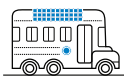


Overview

Ipower series is a pure sine wave inverter which can convert 12/24/48VDC to 220/230VAC(or 110/120VAC). The power is from 350VA to 2000VA. The inverter can be applied in many fields. Its wide input voltage range is ideal for solar system applications.

Features

- Safe design with input and output electrical isolation
- Adoption of advanced SPWM technology, pure sine wave output
- Optional output voltage 220/230VAC (or 110/120VAC), set by DIP switch
- Output frequency 50/60Hz, set by DIP switch
- LED indicators for working and fault status
- Lower No-load consumption
- Max. efficiency up to 95%
- Input protection: Over voltage protection, low voltage protection
- Output protection: Overload protection, short circuit protection
- Over temperature protection: Temperature-controlled Fan Ventilation; Inverter turns off automatically when over temperature.



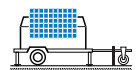
Solar Car



Solar Home



Solar Boat



Solar Power Generator

Technical Specifications

| Item | IP350-11 | IP350-21 | IP500-11 | IP500-21 | IP1000-11 | IP1000-21 | IP1500-11 | IP1500-21 | IP2000-21 | IP2000-41 |
|-----------------------------|--|---------------------------------------|---------------------------------------|---------------------------------------|------------------------|------------------------|--------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|
| Continuous output power | 280W | 280W | 400W | 400W | 800W | 800W | 1200W | 1200W | 1600W | 1600W |
| Output power 15 min. | 350W | 350W | 500W | 500W | 1000W | 1000W | 1500W | 1500W | 2000W | 2000W |
| Surge power | 750W | 750W | 1000W | 1000W | 1600W | 1600W | 2400W | 2400W | 3200W | 3200W |
| Output voltage | 110VAC(±5%) 120VAC (-10% ~ +5%) | 110VAC(±5%) 120VAC (-10% ~ +5%) | 110VAC(±5%) 120VAC (-10% ~ +5%) | 110VAC(±5%) 120VAC (-10% ~ +5%) | 110VAC 120VAC(±3%) | 110VAC 120VAC(±3%) | 110VAC(±3%) 120VAC (-7% ~ +3%) | 110VAC(±3%) 120VAC (-7% ~ +3%) | 110VAC(±5%) 120VAC (-10% ~ +5%) | 110VAC(±5%) 120VAC (-10% ~ +5%) |
| Output frequency | 50/60±0.1Hz | | | | | | | | | |
| Output wave | Pure sine wave | | | | | | | | | |
| Output distortion THD | THD≤5% | | | | | | | | | |
| Load power factor | 0.2-1(Load VA ≤ Continuous output power) | | | | | | | | | |
| Rated input voltage | 12VDC | 24VDC | 12VDC | 24VDC | 12VDC | 24VDC | 12VDC | 24VDC | 24VDC | 48VDC |
| Input voltage range | 10.8 ~ 16VDC | 21.6 ~ 32VDC | 10.8 ~ 16VDC | 21.6 ~ 32VDC | 10.8 ~ 16VDC | 21.6 ~ 32VDC | 10.8 ~ 16VDC | 21.6 ~ 32VDC | 21.6 ~ 32VDC | 43.2 ~ 60VDC |
| Input surge voltage | < 32VDC | < 44VDC | < 32VDC | < 44VDC | < 20VDC | < 44VDC | < 20VDC | < 40VDC | < 40VDC | < 80VDC |
| Max. output efficiency | 90% | 91% | 91% | 91% | 92.50% | 92.50% | 93% | 94% | 94% | 94% |
| No-load current | < 0.7A | < 0.5A | < 0.9A | < 0.5A | < 0.8A | < 0.5A | < 1.0A | < 0.6A | < 0.6A | < 0.4A |
| USB output | 5VDC/Max.1A | | | | | | | | | |
| RS485 com. port | / | / | / | / | 5VDC/200mA | 5VDC/200mA | 5VDC/200mA | 5VDC/200mA | 5VDC/200mA | 5VDC/200mA |
| Dimension(LxWxH) | 214×105.5 ×57.7mm | 214×105.5 ×57.7mm | 232.2×132 ×74.5mm | 232.2×132 ×74.5mm | 298.3×231.5 ×98.5mm | 284.7×231.5 ×98.5mm | 326.1×231.5 ×98.5mm | 284.7×231.5 ×98.5mm | 326.1×231.5 ×98.5mm | 326.1×231.5 ×98.5mm |
| Mounting dimension | 185.5×76.7mm | 185.5×76.7mm | 205×102mm | 205×102mm | 183×220mm | 163×219.5mm | 208×220mm | 163×219.5mm | 208×219.5mm | 208×219.5mm |
| Net weight | 1.0kg | 1.0kg | 1.7kg | 1.7kg | 3.9kg | 3.6kg | 4.6kg | 3.9kg | 4.6kg | 4.6kg |
| Operating temperature range | -20°C~ +45°C | | | | | | | | | |
| Relative humidity | < 95%(N.C.) | | | | | | | | | |
| Enclosure | IP20 | | | | | | | | | |