

OFF GRID SOLAR INVERTER

SunPilot MINI

- Pure sine wave solar inverter
- Built-in 40A MPPT solar charger
- PV input voltage range 20~50VDC (for 1000W) 30~150VDC (for 1500W)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Meet rich customized demands
- Solar energy is provided directly to the load first



Max. Efficiency 98%



IP21 Ingress Protection



Receptacle



40A MPPT



Dustproof



Dual PV LCD Display

| Model | SunPilot MINI-1000-12 | SunPilot MINI-1500-24 |
|---|---|-----------------------|
| Rated Output Power | 1000W/1000VA | 1500W/1500VA |
| INPUT | | |
| Voltage | 230VAC | |
| Selectable Voltage Range | 170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances) | |
| Frequency Range | 50Hz/60Hz(Auto sensing) | |
| OUTPUT | | |
| AC Voltage Regulation(Batt.Mode) | 230VAC±5% | |
| Surge power | 2000VA | 3000VA |
| Efficiency(Peak)PV to INV | 98% | |
| Efficiency(Peak)Battery to INV | 94% | |
| Transfer Time | 10ms | |
| BATTERY & AC CHARGER | | |
| Battery Voltage | 12VDC | 24VDC |
| Floating Charge Voltage | 13.5VDC | 27VDC |
| Overcharge Protection | 16VDC | 36VDC |
| SOLAR CHARGER | | |
| Solar Charger Type | MPPT | |
| Maximum PV Array Power | 600W | 1200W |
| MPPT Range @ Operating Voltage | 20~150VDC | 30~150VDC |
| Maximum PV Array Open Circuit Voltage Solar | 150VDC | |
| Maximum Solar Charging Current | 40A | |
| Maximum AC Charging Current | 40A | |
| Maximum Solar+AC Charging Current | 80A | |
| PHYSICAL | | |
| Dimension,D*W*H(mm) | 290*240*91 | |
| Cartoon Dimension,D *W *H(mm) | 340*295*145 | |
| Net Weight(kgs) | 3.5 | 3.6 |
| Gross Weight(kgs) | 4.0 | 4.2 |
| ENVIRONMENT | | |
| Humidity | 5% to 95% Relative Humidity(Non~condensing) | |
| Operating Temperature | -10°C~50°C | |
| STANDARD | | |
| Compliance Safety | CE | |