



Off Grid MPPT Solar Inverter

TECHNICAL PARAMETER

| MODEL | SUNON IV 8K/48V |
|--|--|
| The Rated Power | 8000VA/8000W |
| BATTERY | |
| Battery Voltage | 48 VDC |
| Floating Charge Voltage | 54 VDC |
| Overcharge Protection | 63 VDC |
| INPUT | |
| Voltage | 230 VAC |
| Selectable Voltage Range | 90-280VAC (For Home Appliances), 170-280VAC (For Personal Computers) |
| Frequency Range | 50 Hz/60 Hz (Auto sensing) |
| OUTPUT | |
| AC Voltage Regulation (Ball. Mode) | 230 VAC \pm 5% |
| Surge Power | 16000VA |
| Power Factor | 1 |
| Efficiency (Peak) | 90% ~ 93% |
| Transfer Time | 15 ms (For Personal Computers) ; 20 ms (For Home Appliances) |
| Waveform | Pure sine wave |
| MPPT SOLAR CHARGER & AC CHARGER | |
| Solar Charger Type | MPPT |
| Maximum PV Array Power | 4000W*2 |
| MPPT Range @ Operating Voltage | 110-450 VDC |
| Maximum PV Array Open Circuit Voltage | 500 VDC |
| Maximum Solar Charge Current | 120 A |
| Maximum AC Charge Current | 120 A |
| Maximum Charge Current | 120 A |
| PHYSICAL | |
| Packing Dimension, D*W*H (mm) | 700*510*232 |
| Net Weight (kgs) | 18.4 |
| Communication Interface | USB/RS232/RS485(BMS)/Local WiFi/Dry-contact |
| OPERATING ENVIRONMENT | |
| Humidity | 5% to 95% Relative Humidity(Non-condensing) |
| Operating Temperature | -10°C to 50°C |
| Storage Temperature | -15°C to 60°C |



| MODEL | Li-Pack 51.2V200Ah |
|-------------------------------------|--|
| Case design | Floor-standing |
| Battery Type | LiFePO4 |
| Normal Battery Voltage(Vdc) | 51.2V |
| Normal Capacity (25°C 0.2C) (AH) | 200AH |
| Normal Capacity (25°C 0.2C) (WH) | 10240WH |
| Folat Charge Voltage(Vdc) | 56.0V |
| Operation Voltge range (Vdc) | 44.8 ~ 58.4V |
| Max Continuous Discharge Current(A) | 150A |
| Max Pulse Discharge Current(A) | 200A 30Sec. |
| Max Continuous Charge Current(A) | 100A |
| Cells brand | BYD |
| Cycle life (25°C, 0.2C, 100% DOD) | ≧ 5000 Cycles |
| Cell Equalizer Current(A) | 1~5A Max. |
| Terminal | M8 |
| Storage temperature | 0°C ~ 30°C |
| IP degree | IP 20 |
| Storage duration | 6 months at 25°C |
| Safety standard | UN38.3,MSDS |
| Display | LED display |
| Communication Port (Optional) | RS485/Wifi communication (Optional) |
| PROTECTION | |
| Protection | Overcharge protection- Overdischarge protection- Overcurrent protection Shortcircuit protection- Overtemperature protection |
| AMBIENT | |
| Working Temperature | -10°C ~ +50°C |
| Humidity | 0~95% (no condensation) |
| Sea Level(m) | ≤1500 |
| DIMENSION | |
| L×W×H (products size, mm) | 1000*734*188mm |
| L×W×H (package size, mm) | 1076*784*250mm |
| Weight(NW Kg) | 143.0Kg |
| Weight(GW Kg) | 157.0Kg |