



Off Grid MPPT Solar Inverter

TECHNICAL PARAMETER

MODEL	SUNON IV 5.6K/48V
Rated Power	5600VA/5600W
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%
Surge Power	11200VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	15 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	6000W
MPPT Range @ Operating Voltage	150 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum Solar Charge Current	120 A
Maximum AC Charge Current	100 A
Maximum Charge Current	120 A
PHYSICAL	
Dimension, D x W x H (mm)	115 x 300 x 400
Net Weight (kgs)	10.0
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