

VII SERIES



Mode	VII 5KW 48V
Rated Power	5000VA/5000W
Parallel Capability	Yes,9 units
INPUT	
Voltage	230VAC
Voltage Range	170-280 VAC(Personal Computers);90-280 VAC(Home Appliances)
Frequency Range	60/50Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Bat Mode)	230V/AC+50%
Max Power	5000WV
Efficiency(Peak)	90%
Transfer Time	10 ms(for Personal Computers); 20ms(for Home Appliances)
Waveform	pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	5000W
MPPT Range @ Operating Voltage	420V/DC-430VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
Maximum Charge Current	80A
PHYSICAL	
Dimension(LxWxH) mm	120x295x468
Net Weight (kgs)	11
ENVIROMENT	
Humidity	5-95% Relative Humidity (Non- condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	15°C to 60°C

System connection



Product Features

- Pure sine wave solar inverter
- Output power factor 1.0
- High PV input voltage range120-450V
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit for harsh environment
- Parallel operation up to 9 units

Overview

1. Power on/off Switch
- 2.AC input
- 3.AC output
- 4.PV input
- 5.Battery input
- 6.Circuit breaker
- 7.RS232 communication port
- 8.Parallel communication cable (only for parallel model)
- 9.Current sharing cable (only for parallel model)
- 10.Dry contact
- 11.USB communication port

