

# 48V-5000VA COMPACT & SCALABLE INVERTER



## APPLICATION



Refrigerator  
1250 VA

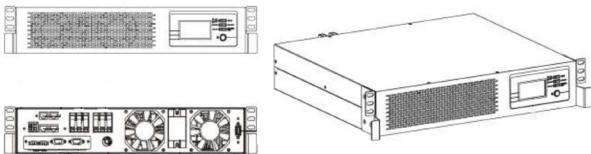


AC-1 Ton  
1880 VA



Vacuum cleaner  
2000 VA

## SCHEMATIC



## BENEFITS

- Pure sine wave output
- User-adjustable charging current and voltage
- Solar charger MPPT 80A
- Monitoring software for real-time status display and control
- Parallel operation up to 9 units
- Comprehensive LCD display for easy configuration and monitoring
- 60A AC charger per module, up to 540A super large AC charger per system

## FEATURES



Pure sine wave output



Parallel Mode



Technology protects against  
low battery



Technology protects against  
short circuit



## SPECIFICATION

MODEL NUMBER	FA-INV-48V-5000VA
RATED POWER	5000VA/5000W
INPUT	
Voltage	220/230/240 VAC
Voltage Range	170-255 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	220/230/240VAC $\pm$ 5%
Surge Power for 5 seconds	10000VA
Efficiency (Peak)	93%
Transfer Time	< 10 ms
Waveform (Batt. Mode)	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
CC/CV Charge Voltage	56.4 VDC
Floating Charge Voltage	53.6 VDC
Overcharge Protection	60 VDC
AC CHARGER	
Maximum AC Charge Current (Adjustable)	2.5~60 A
Charging modes	3 steps for CC, CF and Floating
SOLAR CHARGER (OPTION)	
Maximum PV Array Power	4000W
MPPT Range @ Operating Voltage	60 VDC ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	80 A
Maximum Parallel units	Up to 9 units
Parallel Type	Single Phase or Three Phase Transfer Time
Transfer Time in Parallel Mode	<40ms
PHYSICAL	
Dimension, D x W x H (mm)	400 x 438 x 88 (2U)
Net Weight (kgs)	9.1
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 40°C
Storage Temperature	-15°C to 60°C



Technology for instant change-over between power and battery and vice-versa



Backup time capability



Technology protects against overload



Technology protects against reverse polarity