COMPACT & SCALABLE INVERTER

(3000VA - 5000VA)

BETA SERIES

0.8
Output power factor

Fast transfer less than 10 transfer time

Built in AVR

BENEFITS

- ☑ Pure sine wave output
- ☑ Built-in solar charger
- ☑ Intelligent communication
- ☑ User-adjustable charging current and voltage
- ☑ Monitoring software for real-time status display and control
- ☑ Built-in AVR
- ☑ Flexible design
- ☑ Wall-mount design.

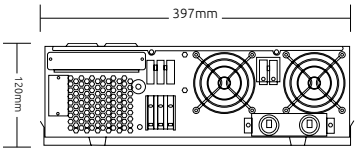
APPLICATION

Refrigerator

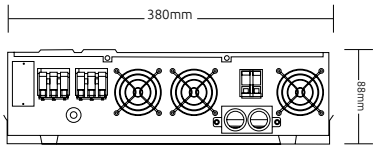
AC-1 Ton

Vacuum cleaner

SCHEMATIC



(5000VA)



(3000VA)

FEATURES

Pure sine wave output

Built-in solar charger

Intelligent communication

Technology protects against short circuit

SPECIFICATION

MODEL NUMBER	FA-INV-24V-3000VA		FA-INV-48V-5000VA	
RATED POWER	3000VA/2400W		5000VA/4000W	
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)	230VAC ± 5%			
AC Voltage Regulation (AVR Mode)	230VAC ± 10%			
Surge Power	6000VA		10000VA	
Efficiency (Peak)	90% - 93%			
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)			
Waveform (Batt. Mode)	Pure sine wave			
BATTERY				
Battery Voltage	24 VDC		48 VDC	
Floating Charge Voltage	27 VDC		54 VDC	
Overcharge Protection	32 VDC		60 VDC	
SOLAR CHARGER (OPTION)				
Solar Charger type	PWM	MPPT	PWM	MPPT
Max. PV Array Open Circuit Voltage	75 VDC	100 VDC	105 VDC	145 VDC
Max. Solar Charge Current	50A	40A	50A	80A
Max. AC Charge Current	30A	30A	60A	60A
Max. Charge Current	80A	70A	110A	140A
PHYSICAL				
Dimension, D x W x H (mm)	340 x 380 x 88		420 x 397 x 120	
Net Weight (kgs)	12		16	
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	-10°C to 55°C			
Storage Temperature	-15°C to 60°C			

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

Smart battery charger design for optimized battery performance

Technology protects against overload

Technology protects against reverse polarity