

3000VA & 5000VA COMPACT & SCALABLE INVERTER



APPLICATION



Refrigerator
1250 VA

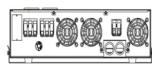
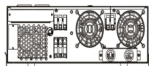
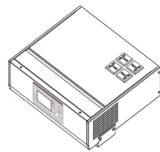
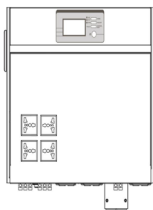


AC-1 Ton
1880 VA



Vacuum cleaner
2000 VA

SCHEMATIC



5K

3K

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

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



FARBER-TECHTOR™
Technology protects against overload



FARBER-TECHTOR™
Technology protects against reverse polarity