

OFF-GRID INVERTER



Parallel operation
up to 6 units



Intelligent
communication



Built-in solar
charger

BENEFITS

- Pure sine wave output
- Wide DC input range
- User-adjustable charging current and voltage
- smart battery charger design for optimized battery performance
- Monitoring software for real-time status display and control
- Configurable AC/Solar input priority via LCD setting

APPLICATION



Air cooler
750 VA



Washing machine
1000 VA



Micro-oven
1250 VA



Vacuum cleaner
2000 VA



Control center
2200 VA

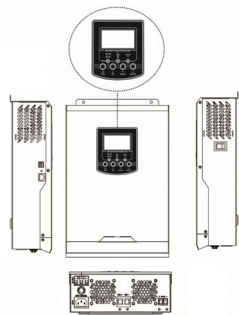


Dishwasher
2700 VA

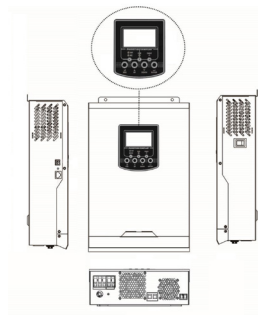


AC-2.5 Ton
4000 VA

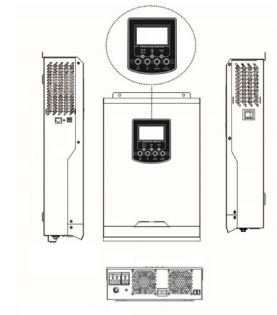
SCHEMATIC



1KVA & 2KVA



3KVA



4KVA & 5KVA

FEATURES



Pure sine wave output



Technology increases
battery lifetime



Smart battery charger
design for optimized battery
performance



AC/solar charger priority



Compatible with mains
voltage or generator
power



INVERTER

SPECIFICATION

MODEL NUMBER	FA-OFFINV-12V-1000VA	FA-OFFINV-24V-2000VA	FA-OFFINV-24V-3000VA	FA-OFFINV-48V-4000VA	FA-OFFINV-48V-5000VA
RATED POWER	1000W	2000W	3000W	4000W	5000W
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	2000VA	4000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	90%~93%				
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
BATTERY					
Battery Voltage	12 VDC	24 VDC	24 VDC	48 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	27 VDC	54 VDC	54 VDC
Overcharge Protection	16 VDC	31 VDC	33 VDC	60 VDC	63 VDC
SOLAR CHARGER & AC CHARGER					
Solar Charger Type	PWM				
Max. PV Array Open Circuit Voltage	50VDC	80VDC		90 VDC	105 VDC
Max. PV Array Power	600 W	1200 W		2400 W	2400 W
MPP Range @operating Voltage	N/A				
Max. Solar Charge Current	50 A	50 A		50 A	60 A
Max. AC Charge Current	20 A	25 A		60 A	60 A
Max. Charge Current	50 A	70 A		110 A	120 A
PHYSICAL					
Dimension, D x W x H (mm)	88 x 225x 320		100 x 285 x 334	155 x 295 x 455	100 x 300 x 440
Net Weight (kgs)	5.5		6.3	9.5	9
Communication Interface	USB/RS232				
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature	-10°C to 50°C				
Storage Temperature	-15°C to 60°C				



Technology protects against low battery



Cold start function



Technology protects against short circuit



Technology protects against overload



Technology protects against reverse polarity