UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION

OFF GRID QUEEN SOLAR INVERTER
(3000VA - 5000VA)

β **BETA** SERIES

Parallel Operation up to 9 units

Intelligent communication

Built-in solar charger

BENEFITS

- ☑ True online double-conversion technology with high power density, utility frequency independence
- ☑ Unity power factor.
- ☑ Combining functions of inverter, solar charger and battery charger.
- ☑ Pure sine wave.
- ☑ Optional parallel operation up to 9 units.
- ☑ Built-in Bluetooth for mobile monitoring.
- ☑ Configurable AC/PV output usage timer and prioritization
- ☑ Detachable LCD control module with multiple communications

APPLICATION

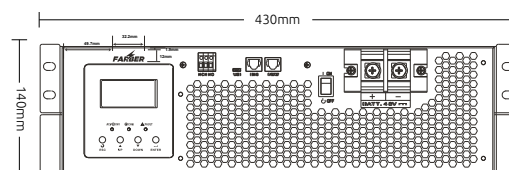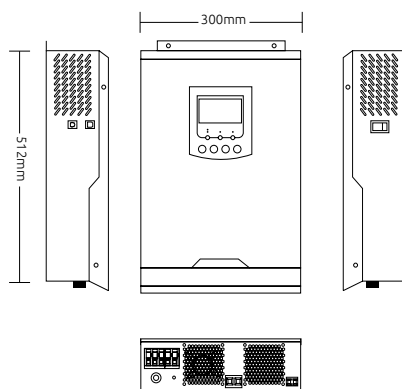| Air cooler 750 VA	Washing machine	Micro-oven	Vacuum cleaner	Control center	Dishwasher	AC-2.5 Ton

SCHEMATIC

(3000VA-5000VA)

300mm
512mm

430mm
140mm

(5000VA)

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

FARBER

SPECIFICATION

MODEL NUMBER	FA-OFFINVX-24V-3000VA	FA-OFFINVX-48V-5000VA
Rated Power	3000W	5000W
Parallel Capability	Up to 9 units	Up to 9 units
INPUT		
Voltage	230 VAC	
Voltage Range	110-280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation	230 VAC ± 5%	
Surge Power	6000VA for 5 sec	10000VA for 5 sec
Efficiency (Peak)	93 % at Line Mode, 90% at Battery Mode	
Transfer Time	0 ms	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Max. PV Array Open Circuit Voltage	145 VDC	
Max. PV Array Power	1500 W	4000 W
MPP Range @operating Voltage	30 ~ 115 VDC	60~115VDC
Max. Solar Charge Current	60 A	80 A
Max. AC Charge Current	60 A	60 A
Max. Charge Current	120 A	140 A
PHYSICAL		
Dimension, D x W x H (mm)	140 x 300 x 512	140 x 430x 512
Net Weight (kgs)	11.5	12.2
Communication Interface	USB/RS232/RS485/Bluetooth/Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	0°C to - 50°C	
Storage Temperature	-15°C to 60°C	

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Technology protects against low battery

Cold start function

Technolog protects against short circuit

Technology protects against overload

Technology protects against reverse polarity