

1PH HYBRID SOLAR INVERTER

(1000VA - 5000VA)



UPS

INVERTERS

ACCESSORIES



Parallel Operation
up to 6 units



Self-consumption and
feed-in to the grid



Programmable supply
priority for PV, Battery

BENEFITS

- Pure sine wave output
- Self-consumption and feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie (with battery connected), off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- Parallel operation up to 6 units only for 3K/4K/5K models

APPLICATION



Laser printer



Air cooler



Washing machine



Refrigerator



Micro-oven



Server



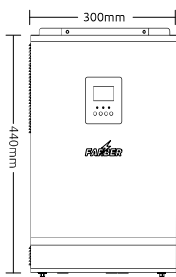
Vacuum cleaner



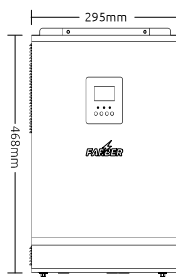
AC-1.5 Ton

AVR

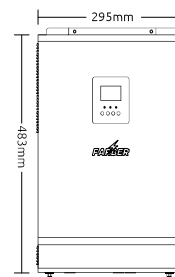
SCHEMATIC



(1KVA & 2KVA)



(3KVA & 4KVA)



(5KVA)

BATTERIES

SOLAR SOLUTION

FEATURES



Pure sine wave output



Bi-direction concept



Separated to operate in
different operation modes



Automatic load sharing
on AC and DC output

SPECIFICATION

MODEL NUMBER	FA-HINV-12V-1000VA	FA-HINV-24V-2000VA	FA-HINV48V-3000VA	FA-HINV-48V-4000VA	FA-HINV-48V-5000VA
Max. PV Array Power	1000W	2000W	4000W	4000W	6000W
Rated Output Power	1000W	2000W	3000W	4000W	5000W
Maximum PV Array Open Circuit Voltage	145 VDC				
MPPT Range @ Operating Voltage	15 VDC - 115 VDC	30 VDC - 115 VDC		60 VDC - 115 VDC	
MPP Tracker Number	1			2	
GRID OUTPUT (AC)					
Nominal Output Voltage	220/230/240 VAC				
Output Voltage Range	184-264.5 VAC or 195-253 VAC (Selectable)				
Nominal Output Current	4.3A	8.7A	13A	17.4A	21.7A
Power Factor	> 0.99				
Maximum Conversion Efficiency (DC/AC)	90%				
GRID INPUT					
Acceptable Input Voltage Range	170-280 VAC				
Frequency Range	50Hz/60Hz (Auto sensing)				
Maximum AC Input Current	30A		40A		
BATTERY MODE OUTPUT (AC)					
Nominal Output Voltage	220/230/240 VAC				
Output Waveform	Pure sine wave				
Efficiency (DC to AC)	93%				
Nominal DC Voltage	12 VDC	24 VDC	48 VDC		
Maximum Solar Charge Current			80A	120A	
Maximum AC Charge Current			60A	60A	
Maximum Charge Current			140A	180A	
GENERAL					
Dimension, D x W x H (mm)	100 X 300 x 440		120 X 295 x 468	120 X 295 x 468	190 X 295 x 483
Net Weight (kgs)	8		11		16
Parallel Function	N/A				
External Safety Box (Optional)	Yes				
Communication Ports	Yes				
ENVIRONMENT	USB or RS232/Dry-Contact				
Humidity	0-90% RH (Non-condensing)				
Operating Temperature	0 to 50°C				

UPS

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AVR

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SOLAR SOLUTION



Inverter, AC/DC charger or PV charger



Technology protects against short circuit



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



Technology protects against reverse polarity