

## FlinFuzion Solar Hybrid Inverter

In-Built Dust Protection | Pure Sine Wave | Higher MPPT Range



- ✦ Pure Sine Wave solar inverter with up-to 93% peak efficiency
- ✦ Built-in wide range MPPT solar charge controller
- ✦ Built-in Battery Equalization feature
- ✦ Light weight with slim design
- ✦ Compatible with mains voltage and generator power
- ✦ Advanced monitoring software included
- ✦ Double Surge Power Capacity
- ✦ Multiple customizable settings
- ✦ Auto restart function and cold start functions

### Comprehensive Display

FlinFuzion is designed to offer great flexibility in user operation. Built-in LCD screen and menu buttons allows you to customize voltage range, charging priority and battery charging current. You can also view operating status and power information on the LCD screen.



### Battery Equalization

Unique battery equalization feature reverses the build-up of negative chemical effects like stratification, thus helping you maintain and improving the battery life cycle.

### High PV input & MPPT range

FlinFuzion Series come with high PV input capacity of 4000 W. Wide MPPT range (120 ~ 450 VDC) of the built-in solar charge controller offers more flexibility to the users to use any size of solar panels and helps reducing installation costs.



### Direct Power from Solar

Intelligent controller allows to power load directly from solar power during the day time keeping grid and/or battery power as back up only. This helps in better battery life and more efficiency in the overall performance.

## Specifications of FlinFuzion Solar Hybrid Inverter

MODELS	3kVA-24V	5kVA-48V
<b>RATED POWER</b>	3000 VA/ 3000 W	5000 VA / 5000 W
<b>INPUT</b>		
<b>Voltage</b>	230 VAC	
<b>Selectable Voltage Range</b>	170-280 VAC (For UPS Mode); 90-280 VAC (For Appliance Mode)	
<b>Frequency Range</b>	50 Hz/60 Hz (Auto sensing)	
<b>OUTPUT</b>		
<b>AC Voltage Regulation (Batt. Mode)</b>	230 VAC $\pm$ 5%	
<b>Surge Power (for 5 seconds)</b>	6000 VA	10000 VA
<b>Efficiency (Peak)</b>	93%	
<b>Transfer Time</b>	10 ms (For UPS Mode); 20 ms (For Appliance Mode)	
<b>Waveform</b>	Pure Sine Wave	
<b>BATTERY &amp; AC CHARGER</b>		
<b>Battery Voltage</b>	24 VDC	48 VDC
<b>Floating Charge Voltage</b>	27 VDC	54 VDC
<b>Overcharge Protection</b>	33 VDC	63 VDC
<b>Battery Equalization Feature</b>	Yes	
<b>Maximum AC Charge Current</b>	60 A	
<b>SOLAR CHARGER</b>		
<b>Solar Charger Type</b>	MPPT	
<b>Maximum Solar Charging Current</b>	80 A	
<b>Maximum PV Array Power</b>	4000 W	
<b>Number of MPPT Trackers</b>	1	
<b>MPPT Range @ Operating Voltage</b>	120 ~ 450 VDC	
<b>Nominal PV Voltage</b>	240 VDC	
<b>Maximum PV Array Open Circuit Voltage</b>	500 VDC	
<b>Monitoring</b>		
<b>Communication Ports</b>	USB, RS232	
<b>Monitoring Software</b>	Included	
<b>PHYSICAL</b>		
<b>Dimension, D x W x H (mm)</b>	100 x 300 x 440	
<b>Net Weight (kgs)</b>	9	10
<b>OPERATING ENVIRONMENT</b>		
<b>Humidity</b>	5% to 95% Relative Humidity(Non-condensing)	
<b>Operating Temperature</b>	-10°C - 50°C	
<b>Storage Temperature</b>	-15°C - 60°C	

\*Product specifications are subject to change without further notice