



FlinFuzion MPPT Solar Hybrid Inverter

Batteries are Optional | Pure Sine Wave | Wide MPPT Range



- ✦ Pure Sine Wave solar inverter with up-to 93% peak efficiency
- ✦ Built-in wide range MPPT solar charge controller
- ✦ Can operate with or without batteries
- ✦ Load sharing between solar & grid
- ✦ Light weight with slim design
- ✦ Advanced monitoring software included
- ✦ Double Surge Power Capacity
- ✦ Auto restart function and cold start functions

Use With or Without Batteries

FlinFuzion MPPT is designed to offer great flexibility. If you face power cuts then connect batteries for back up today and in future when you do not face power cuts, you can use the system without batteries.



Direct Power from Solar

FlinFuzion allows you to choose on how to power your loads: Either share loads between solar & utility or share loads between solar & battery. Intelligent system allows you to power load directly from solar power during the day time keeping grid and/or battery power only for back-up.

Wide PV input & MPPT range

FlinFuzion Series comes with high PV input capacity of upto 5000W and wide MPPT range 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.



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.

Comprehensive Display

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



Specifications of FlinFuzion Solar Inverter

MODELS	2.5kVA-24V	5kVA-48V
RATED POWER	2500VA/ 3000W	5000VA / 5000W
Parallel Capability	No	No
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For UPS Mode); 90-280 VAC (For Appliance Mode)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%	
Surge Power (for 5 seconds)	5000 VA	10000 VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For UPS Mode); 20 ms (For Appliance Mode)	
Waveform	Pure Sine Wave	
BATTERY & AC CHARGER		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
Battery Equalization Feature	Yes	
Maximum AC Charge Current	40 A	60 A
SOLAR CHARGER		
Solar Charger Type	MPPT	
Maximum Solar Charging Current	80 A	
Maximum PV Array Power	3000 W	5000 W
Number of MPPT Trackers	1	
MPPT Range @ Operating Voltage	60 ~ 450 VDC	120 ~ 450 VDC
Nominal PV Voltage	240 VDC	
Maximum PV Array Open Circuit Voltage	450 VDC	500 VDC
Monitoring		
Communication Ports	RS232	USB, RS232
Monitoring Software	Included	
PHYSICAL		
Dimension, D x W x H (mm)	90 x 288 x 368	100 x 300 x 440
Net Weight (kgs)	6.5	10
Dust Filter	Not Included	Included
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C - 50°C	
Storage Temperature	-15°C - 60°C	
*Product specifications are subject to change without further notice		