

FlinFuzion MPPT Solar Hybrid Inverter

Batteries are Optional | Pure Sine Wave | Wide MPPT Range



FlinFuzion MPPT Inverter

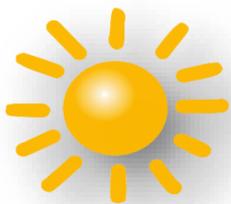
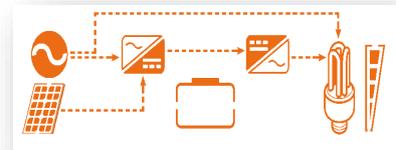
- ✦ Pure Sine Wave solar inverter with up-to 93% peak efficiency
- ✦ Built-in wide range MPPT solar charge controller
- ✦ Parallel 5kVA-P inverter, upto 9 inverters to make 45kW
- ✦ Can operate with or without batteries
- ✦ Load sharing between solar & grid
- ✦ Light weight with slim design
- ✦ Advanced monitoring software included
- ✦ Double Surge Power Capacity
- ✦ In-built protection from dust
- ✦ Auto restart function and cold start functions



FlinFuzion MPPT Parallel Inverter

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 4000W. 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.



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 Hybrid Inverter

MODELS	3kVA-24V	5kVA-48V	5kVA-48V - Parallel
RATED POWER	3000VA/ 3000W	5000VA / 5000W	5000 VA / 5000 W
Parallel Capability	No	No	Up to 9 units
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 \pm 5%		
Surge Power (for 5 seconds)	6000 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	60 A	80 A	
SOLAR CHARGER			
Solar Charger Type	MPPT		
Maximum Solar Charging Current	80 A		
Maximum PV Array Power	4000 W	4500W	
Number of MPPT Trackers	1		
MPPT Range @ Operating Voltage	120 ~ 450 VDC	120 ~ 430 VDC	
Nominal PV Voltage	240 VDC		
Maximum PV Array Open Circuit Voltage	500 VDC	450 VDC	
Monitoring			
Communication Ports	USB, RS232		
Monitoring Software	Included		
PHYSICAL			
Dimension, D x W x H (mm)	100 x 300 x 440	120 x 295 x 468	
Net Weight (kgs)	9	10	11
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			