



## FLINSLIM MPPT SOLAR INVERTER

High Efficiency | Pure Sine Wave | MPPT Solar Controller

- Pure sine wave hybrid inverter with 93% peak efficiency
- In-built MPPT solar charge controller
- Double surge power capacity
- Advanced battery charging algorithm to increase battery performance
- Compatible to mains voltage and generator power
- Connect up to four inverters in parallel (for 4kVA & 5kVA)
- Auto restart function and cold start functions
- Overload and short circuit protection
- Advanced monitoring software included

### Comprehensive Display



FlinSlim MPPT is designed to offer great flexibility in user operation. Inbuilt LCD screen and 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.

### Slim Design



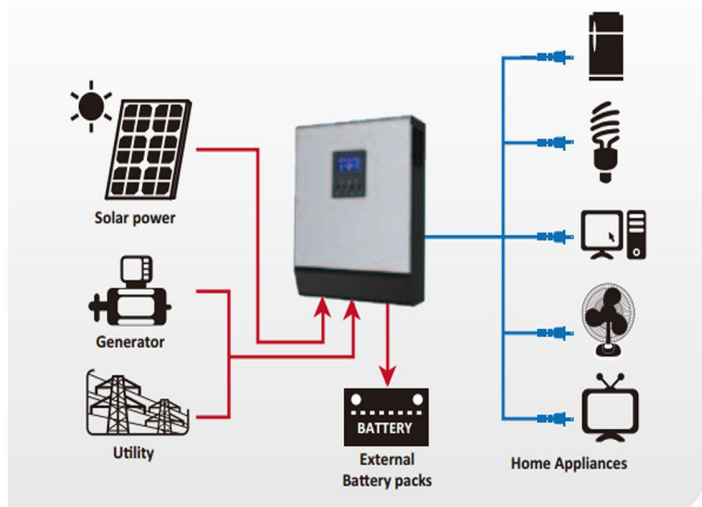
FlinSlim MPPT has been designed keeping aesthetics in view. Sleek design allows you to easily mount the inverter on the wall. Comprehensive manual makes the installation super easy!

### Solar Enabled

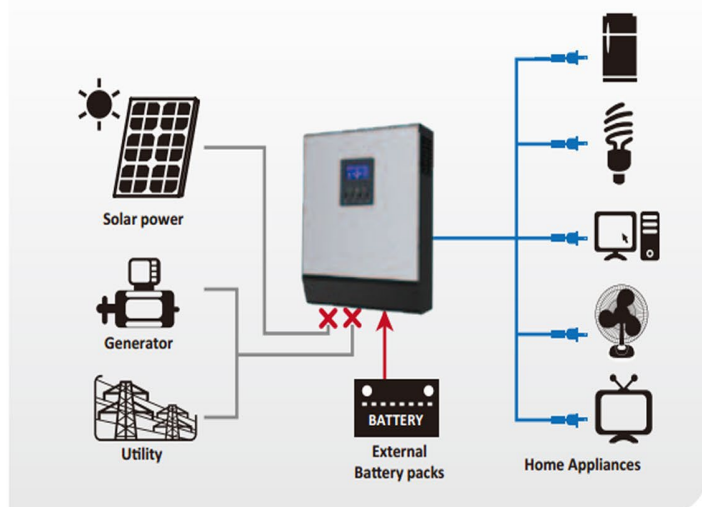
FlinSlim MPPT makes going solar easy! You can connect the solar panels directly to the inverter and the inbuilt MPPT solar charge controller will let you generate free power from solar energy! Intelligent system automatically gives priority to solar power over grid power.



## 1 As Hybrid Power system



## 2 As Power backup system



MODELS	1kVA	2kVA	3 kVA	4 kVA	5 kVA
<b>RATED POWER</b>	1000VA / 800W	2000VA / 1600W	3000VA / 2400W	4000VA / 3200W	5000VA / 4000W
<b>INPUT</b>					
<b>Voltage</b>	230 VAC				
<b>Selectable Voltage Range</b>	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)				
<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</b>	2000 VA	4000 VA	6000 VA	8000 VA	10000 VA
<b>Efficiency (Peak)</b>	90 - 93%				
<b>Transfer Time</b>	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)				
<b>Waveform</b>	Pure sine wave				
<b>BATTERY</b>					
<b>Battery Voltage</b>	24 VDC	24 VDC	48 VDC	48 VDC	48 VDC
<b>Floating Charge Voltage</b>	27 VDC	27 VDC	54 VDC	54 VDC	54 VDC
<b>Overcharge Protection</b>	31 VDC	31 VDC	62 VDC	60 VDC	60VDC
<b>Maximum Charge Current</b>	10 A or 20 A	20 A or 30 A	10 A or 15 A	120 A	120 A
<b>SOLAR CHARGER (MPPT)</b>					
<b>Maximum PV Array Power</b>	600 W	1500 W	3000 W		
<b>MPPT Range @ Operating Voltage</b>	30 - 66 VDC	60 - 115 VDC			
<b>Maximum PV Array Open Circuit Voltage</b>	75 VDC	145 VDC			
<b>Maximum Charge Current</b>	25 A	60 A			
<b>Maximum Efficiency</b>	98%				
<b>Standby Power Consumption</b>	2W				
<b>PHYSICAL</b>					
<b>Dimension, D x W x H (mm)</b>	128 x 272 x 355	140 x 295 x 479		140 x 295 x 540	
<b>Net Weight (kgs)</b>	7.4	11.5	12.5	13.5	
<b>OPERATING ENVIRONMENT</b>					
<b>Humidity</b>	5% to 95% Relative Humidity(Non-condensing)				
<b>Operating Temperature</b>	0°C - 55°C				
<b>Storage Temperature</b>	-15°C - 60°C				

\*Typical transfer time for parallel operation is 30ms. Product specifications are subject to change without further notice