



# FlinSlim MPPT Ultimate Solar Inverter

Zero Transfer Time | In-Built Energy Meter | Detachable LCD



- ✦ Zero transfer time to protect critical loads.
- ✦ In-built kWh Meter
- ✦ Detachable LCD control module with multiple communication options
- ✦ In-built Bluetooth function for mobile based monitoring
- ✦ USB On-the-Go function and RS485 communication port available
- ✦ Configurable AC/Solar Charger priority via LCD setting.

## Zero Transfer Time

FlinSlim Ultimate MPPT is designed to power critical loads which require zero transfer time to ensure unobstructed power supply 24\*7. The switch time in this system is 0 ms from one mode to another. You will not even realize when a switch happens. This inverter is ideal for sensitive equipment like servers, ATMs and medical machines.

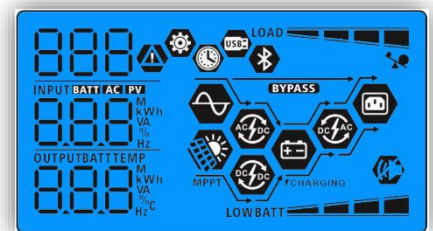


## Direct Power from Solar

FlinSlim MPPT Ultimate allows you to choose on how to power your loads. Share loads between solar & battery or power load from utility. The intelligent system allows to power load directly from solar power during the day time keeping grid and/or battery power only for back-up.

## Detachable LCD Screen & Comprehensive Display

FlinSlim MPPT Ultimate comes with option to detach the LCD screen from the inverter and install at another location. This helps in ease of viewing particularly if the inverter is installed in a corner of the house. The comprehensive user-friendly LCD display shows operating status and allows you to configure system as per your need. You can set/change battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications from the LCD screen itself.



## 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.

## Bluetooth Connection

FlinSlim MPPT Ultimate comes with In-built Bluetooth technology. One can simply install the app from the play store and then communicate with the inverter wirelessly. It allows wireless communication up to 7 meters in open space. With the app you can store monitoring data, see live information and program inverter as per your requirement.





- ✦ Pure sine wave inverter
- ✦ Built-in MPPT solar charge controller
- ✦ Parallel option available and can parallel up to 9 units
- ✦ Overload/ Over temperature/ short circuit protection
- ✦ Smart battery charger design for optimized battery performance
- ✦ Compatible to mains voltage or generator power
- ✦ Auto restart while AC is recovering
- ✦ In-built Bluetooth functionality

MODEL	FlinSlim MPPT Ultimate 5kVA-48V
<b>RATED POWER</b>	5000 VA / 5000 W
<b>Parallel Capability</b>	Up to 9 units
<b>INPUT</b>	
<b>Voltage</b>	230 VAC
<b>Selectable Voltage Range</b>	170-280 VAC (For UPS Mode) at 100% Load; 90-280 VAC (For Appliance Mode) at 50% Load
<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 Capacity</b>	10000 for 5 seconds
<b>Efficiency (Peak)</b>	94.4% at line mode, 90% at battery mode
<b>Transfer Time</b>	0 ms
<b>Waveform</b>	Pure Sine Wave
<b>BATTERY</b>	
<b>Battery Voltage</b>	48 VDC
<b>Floating Charge Voltage</b>	54 VDC
<b>Overcharge Protection</b>	66 VDC
<b>SOLAR CHARGER</b>	
<b>Maximum PV Array Power</b>	4000W
<b>Solar Charger Type</b>	MPPT
<b>MPPT Range</b>	60 ~ 115 VDC
<b>Maximum PV Array - Open Circuit Voltage</b>	145 VDC
<b>Maximum Solar Charge Current</b>	80 A
<b>Maximum AC charge current</b>	60 A
<b>Maximum Charge Current</b>	140 A
<b>PHYSICAL</b>	
<b>Dimension, D x W x H (mm)</b>	140 x 300 x 512
<b>Net Weight (kgs)</b>	12.2
<b>Communication Interface</b>	USB / RS232 / RS485 / Bluetooth / Dry-contact
<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
*Product specifications are subject to change without further notice.	