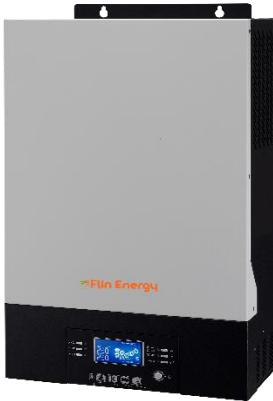




FlinSlim MPPT Ultimate Solar Inverter

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



- ✦ Zero transfer time to protect critical loads.
- ✦ In-built kWh Meter
- ✦ In-built WiFi Monitoring for mobile based monitoring
- ✦ Detachable LCD control module with multiple communication options
- ✦ 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.

0ms

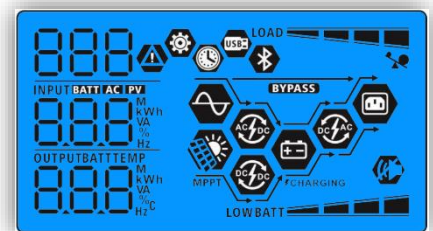


Direct Power from Solar

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.

In-built WiFi Monitoring

FlinSlim MPPT Ultimate comes with In-built WiFi monitoring. This makes monitoring easy for customer. Using WatchPower app and with inbuilt WiFi, customer has full control on device. Customer can change settings of inverter remotely from anywhere in the world.





- ✦ 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 WiFi Monitoring

MODEL	
FlinSlim MPPT Ultimate 5kVA-48V	
RATED POWER	5000 VA / 5000 W
Parallel Capability	Up to 9 units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For UPS Mode) at 100% Load; 90-280 VAC (For Appliance Mode) at 50% Load
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC $\pm$ 5%
Surge Capacity	10000 for 5 seconds
Efficiency (Peak)	94.4% at line mode, 90% at battery mode
Transfer Time	0 ms
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER	
Maximum PV Array Power	4000W
Solar Charger Type	MPPT
MPPT Range	60 ~ 115 VDC
Maximum PV Array - Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	80 A
Maximum AC charge current	60 A
Maximum Charge Current	140 A
PHYSICAL	
Dimension, D x W x H (mm)	140 x 300 x 512
Net Weight (kgs)	12.2
Communication Interface	USB / RS232 / RS485 / Bluetooth / Dry-contact
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C
*Product specifications are subject to change without further notice.	