



FlinSlim MPPT Stack Solar Inverter

Zero Transfer Time | In-Built Wi-Fi Monitoring | In-Built kWh Meter



- ✦ Zero transfer time to protect critical loads.
- ✦ Stackable Design
- ✦ Communication port for BMS (RS485, CAN-BUS or RS232)
- ✦ In-Built WiFi monitoring
- ✦ Configurable AC/Solar Charger & Output priority
- ✦ Up to 140A charging capacity for battery

Zero Transfer Time

FlinSlim MPPT Stack 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.

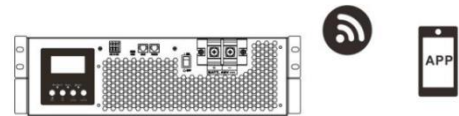


Direct Power from Solar

FlinSlim MPPT Stack 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.

Inbuilt Wi-Fi for Monitoring

FlinSlim MPPT Stack comes with inbuilt Wi-Fi monitoring. This makes monitoring easy for customers. Using WatchPower app and with inbuilt Wi-Fi, customer has full control on device. Customers can change settings of the inverter remotely from anywhere in the world.

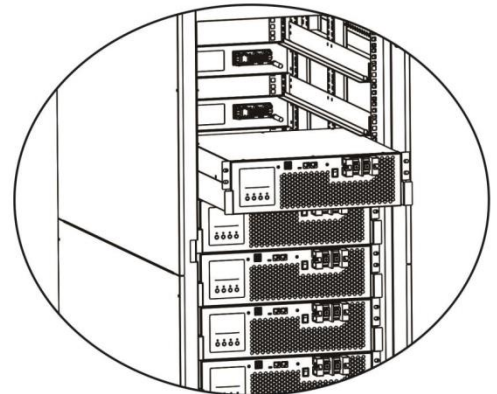


Battery Equalization

Unique battery equalization feature reverses the build-up of negative chemical effects like stratification, thus helping you maintain and improving the battery life cycle.

Stackable Design

FlinSlim MPPT Stack is designed in a way to enable stacking of these inverters with lithium batteries in a compact setup. These stack inverters are designed particularly for applications like caravans, lithium battery-based applications and similar applications.





- ✦ 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
- ✦ Overload/ Over temperature/ short circuit protection

| MODEL | FlinSlim MPPT Stack 5kVA-48V |
|---|--|
| RATED POWER | 5000 VA / 5000 W |
| Parallel Capability | Up to 9 units |
| INPUT | |
| Voltage | 230 VAC |
| Selectable Voltage Range | 110-280 VAC |
| 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) | 93% 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) | 466.3 x 438 x 130.8 |
| Net Weight (kgs) | 15 |
| Communication Interface | USB/RS232/RS485/Dry-contact/Wi-Fi |
| 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. | |