

## FlinSlim MPPT Elite Solar Inverter

Dual MPPT - 8000W PV Input | Built-in Wi-Fi Monitoring | Built-in Dust Filter



- ✦ Pure Sine Wave solar inverter with up-to 93% peak efficiency
- ✦ Setting Timer available for load priority and battery charging
- ✦ Selectable maximum discharge current based on battery bank
- ✦ Built in Wi-Fi monitoring via mobile app
- ✦ Communication port for BMS - RS485
- ✦ LED bar with RGB Lights to indicate status
- ✦ Compatible with Lead Acid, Lithium-Ion and LiFePO4 Batteries
- ✦ Can be used without batteries
- ✦ Connect up-to 6 inverters in parallel in single phase & three phase

### Direct Power from Solar

FlinSlim MPPT Elite 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

FlinSlim MPPT Elite comes with high PV input capacity of 8KW. It comes with Dual controllers of 4kW each. Wide MPPT range (90 ~ 430 VDC) of the built-in solar charge controller offers more flexibility to the users to use any size of solar panels and helps reduce installation costs.

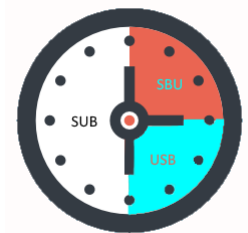
### Customizable Display with RGB LED Bar

FlinSlim MPPT Elite is designed to offer great flexibility in user operation. Removable LCD screen & menu buttons allow you to customize more than 30 settings.

RGB LED bar lights-up in different colours to depict the operation mode, energy source, battery capacity and load level. All these parameters can be configured through the LCD panel.

### Timer for Load Priority and Battery Charging

FlinSlim MPPT Elite gives you the option to select the mode you wish to run the loads and charge batteries during different times of the day. You get to select the specific hours when you wish the inverter to run in SUB and other modes to power your load or charge batteries and automatically the inverter will do that.





## Specifications of FlinSlim MPPT Elite Solar Inverter

MODELS		8 kVA-48V
RATED POWER		8000 VA / 8000 W
Parallel Capability		Yes, up to 6 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)		15000 VA
Efficiency (Peak)		93%
Transfer Time		15 ms (For UPS Mode); 20 ms (For Appliance Mode)
Waveform		Pure Sine Wave
No Load Power Consumption		< 50 W
BATTERY & AC CHARGER		
Battery Voltage		48 VDC
Floating Charge Voltage		54 VDC
Overcharge Protection		66 VDC
Maximum Solar Charging Current		120 A
Maximum AC Charging Current		120 A
SOLAR CHARGE CONTROLLER		
Solar Charger Type		MPPT
Maximum PV Array Power		8000 W (2 x 4000W)
Maximum PV Input Current		18A x 2
MPPT Voltage Range		90 ~ 450 VDC
Max PV Open Circuit Voltage		500 VDC
PHYSICAL(9mm)		
Dimension		147.4 x 432.5 x 553.6 mm (D x W x H)
Net Weight		18.4 kgs
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		