










# FlinSlim MPPT Elite Solar Inverter

Dual MPPT – 10kW PV Input | Lithium ESS Compatible | Grid Export



## Special Features FlinSlim MPPT Elite Solar Inverter

-  Rated Power 8 KW 48 V
-  MPPT Range 90-450 VDC
-  Support Multiple Parallel Up To 6
-  Solar Charge 150 A
-  Touch Screen Display
-  PV Array Power 10000 W
-  Dual Output For Smart Load Management
-  Dual AC Input (Utility & Generator) and automatic switchover
-  AC Charge 120 A

### Dual Input and Dual Output

- ✓ Two grid inputs: utility and generator, with automatic switching
- ✓ Separate outputs for emergency and non-emergency loads

### Power full Solar Capacity and Battery compatibility

- ✓ Wide MPPT range for versatile solar panel connectivity. 10kW PV capacity with Dual MPPT
- ✓ Compatible with lead-acid, lithium-ion, and LiFePO4 batteries; can also run without batteries
- ✓ Up to 150A charging current

### Advanced Hybrid Features

- ✓ Grid export ready with net metering
- ✓ Solar power to load, battery charging, and excess feed-in to grid
- ✓ Battery backup during power outages
- ✓ Inbuilt CT feature for zero export

### Display and Communication

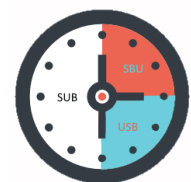
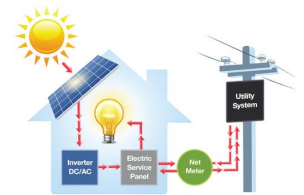
- ✓ 2.8" color touchscreen with customizable settings

### Timer for Load Priority and Battery Charging

- ✓ Set specific hours for different modes and battery charging

### WiFi monitoring along with OTA firmware update

- ✓ Built-in WiFi for remote monitoring and settings adjustments
- ✓ OTA firmware updates without needing a computer





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MODEL No	FT 8kW
<b>RATED POWER</b>	8000 VA / 8000 W
<b>Parallel Capability</b>	Yes, up to 6 units
<b>INPUT</b>	
<b>Voltage</b>	230 VAC
<b>Selectable Voltage Range</b>	170-280 VAC (For UPS Mode); 90-280 VAC (For Appliance Mode)
<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 (for 5 seconds)</b>	16000 VA
<b>Efficiency (Peak)</b>	93%
<b>Transfer Time</b>	10 ms (For UPS Mode); 20 ms (For Appliance Mode)
<b>Waveform</b>	Pure Sine Wave
<b>BATTERY &amp; AC CHARGER</b>	
<b>Battery Compatibility</b>	Lead Acid, Lithium Ion, LiFePO4
<b>Battery Voltage</b>	48 VDC
<b>Floating Charge Voltage</b>	54 VDC
<b>Overcharge Protection</b>	63 VDC
<b>Maximum Solar Charging Current</b>	150 A
<b>Maximum AC Charging Current</b>	120 A
<b>SOLAR CHARGE CONTROLLER</b>	
<b>Solar Charger Type</b>	MPPT
<b>Maximum PV Array Power</b>	10000 W (2 x 5000W)
<b>Maximum PV Input Current</b>	27A*2 (Max 40A)
<b>MPPT Voltage Range</b>	90 ~ 450 VDC
<b>Max PV Open Circuit Voltage</b>	500 VDC
<b>COMMUNICATION</b>	
<b>Communication Port</b>	USB, RS232, RS485 (for BMS), WiFi, Dry-Contact, BTS Optional GFCI, Rapid Shutdown, AFCI Detection
<b>External Current Sensor Port</b>	Yes, Built in current transformer sensor
<b>PHYSICAL (mm)</b>	
<b>Dimension</b>	145 x 438 x 553.6 mm (D x W x H)
<b>Net Weight</b>	18.4 kgs
<b>OPERATING ENVIRONMENT</b>	
<b>Humidity</b>	5% to 95% Relative Humidity (Non-condensing)
<b>Operating Temperature</b>	-10°C - 50°C
<b>Storage Temperature</b>	-15°C - 60°C
<b>STANDARDS &amp; CERTIFICATIONS</b>	
<b>Compliance</b>	CE, BIS

\*Product specifications are subject to change without further notice