



Flin Energy

FlinSlim MPPT Elite 8kVA-48V Solar Inverter Specifications

MODEL No	FT 8kW
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)	16000 VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For UPS Mode); 20 ms (For Appliance Mode)
Waveform	Pure Sine Wave
BATTERY & AC CHARGER	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
Maximum Solar Charging Current	150 A
Maximum AC Charging Current	120 A
SOLAR CHARGE CONTROLLER	
Solar Charger Type	MPPT
Maximum PV Array Power	10000 W (2 x 5000W)
Maximum PV Input Current	27A*2 (Max 40A)
MPPT Voltage Range	90 ~ 450 VDC
Max PV Open Circuit Voltage	500 VDC
COMMUNICATION	
Communication Port	USB/RS232/RS485/WiFi/Dry-Contact/BTS Support Optional GFCI, Rapid Shutdown, AFCI Detetction
External Current Sensor Port	Yes, Built in current transformer sensor
PHYSICAL (mm)	
Dimension	145 x 438 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
STANDARDS & CERTIFICATIONS	
Compliance	CE, BIS

*Product specifications are subject to change without further notice