



Flin Energy

FlinSlim MPPT Elite 5kW-48V Solar Hybrid Inverter Specifications

MODELS	5kW-48V
MODEL NO	FT-5kW
RATED POWER	5000 VA / 5000 W
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 - Off-Grid Operation	
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%
Surge Power (for 5 seconds)	10000 VA
Efficiency (Peak)	90-93%
Transfer Time	15 ms (For UPS Mode); 20 ms (For Appliance Mode)
Waveform	Pure Sine Wave
OUTPUT - Grid-Tie Operation	
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%
Output Voltage Range	195.5 - 253VAC (Selectable)
Output Frequency Range	49 Hz - 51 Hz
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	6000 W
MPPT Voltage Range	120 - 450 VDC
Max PV Open Circuit Voltage	500 VDC
Maximum PV Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
PHYSICAL & COMMUNICATION	
Dimension (D x W x H) mm	115 x 300 x 400
Net Weight (kgs)	10 kgs
Communication	USB/RS485/RS232/Dry-Contact/WiFi
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C - 50°C
Storage Temperature	-15°C - 60°C
COMPLIANCE	
Certifications	BIS, CE
*Product specifications are subject to change without further notice	