



FlinInfini Turbo MPPT 6kW Solar Hybrid Inverter Specifications

MODELS	6 kW-48V
RATED POWER	6000 VA / 6000 W
Parallel Capability	Yes, up to 9 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	
Dual Output for Load	Yes
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%
Surge Power (for 5 seconds)	12000 VA
Efficiency (Peak)	93%
Transfer Time	10 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	6500 W
Maximum PV Input Current	27A
MPPT Voltage Range	120 ~ 430 VDC
Max PV Open Circuit Voltage	450 VDC
PHYSICAL & COMMUNICATION	
Dimension (D x W x H) mm	140 x 295 x 468
Net Weight (kgs)	12 kgs
Communication	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
*Product specifications are subject to change without further notice	