

FlinInfini Turbo Plus MPPT 6kW Solar Hybrid Inverter



FEATURES

IP 66 Enclosure
4.3" LCD Design
Dual MPPT
Maximum PV Current increases to 21A/27A
Dual Output for smart load control
Two independent AC Power sources connected and sitch automatically
Configurable supply priority for Solar, Battery and Grid
In-built BMS port for RS485 communication
Customizable charging current and voltages
Parallel upto 9 units
Supports storing energy from DG

SPECIFICATIONS

MODELS	6 kW-48V
RATED POWER	6600 VA / 6600 W
Parallel Capability	Yes, up to 9 units
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC
Output Voltage Range	184 - 264.5 VAC
Nominal Output Current	28.7A
Power Factor	>0.99
Maximum Conversion Efficiency (DC/AC)	>97%
AC INPUT	
AC Start-Up Voltage/Auto Restart Voltage	60-80 VAC / 180 VAC
Acceptable Input Voltage Range	90-280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
MPP Voltage Range	120 VDC - 450 VDC
Number of MPP Trackers/ Maximum Input Current	2 / 21A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	90%-93%
BATTERY CHARGER	
Battery Type	Lead-Acid /Lithium-Ion
Battery Voltage Range (V)	40-60 VDC
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	135A
Maximum AC Charging Current	135A
Maximum Charging Current	135A
PHYSICAL & COMMUNICATION	
Dimension (D x W x H) mm	192 x 418 x 633
Net Weight (kgs)	23.5
Communication	RS-232/RS485, WiFi
OPERATING ENVIRONMENT	
Humidity	0% to 100% Relative Humidity (Non-condensing)
Operating Temperature	-10°C - 50°C
PROTECTION & CERTIFICATE	
Safety/EMC Standard	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-2/4, IEC 61683, IEC 62116, IEC61727

*Product specifications are subject to change without further notice