

Hybrid Inverter

Converts stored energy into usable power for your home or business, ensuring seamless electricity flow even when the grid is down.



Maximize Efficiently

Up to 12 kW PV input and 10 kW power output.



More Energy-efficient

DC-coupled Hybrid Inverter reduces power conversion loss, ensuring most bang for the buck.



Scalable Power

Supports parallel operation with expandable PV input and backup output.



Optimized Energy Generation

Equipped with 2 MPPTs for maximizing solar energy generation.

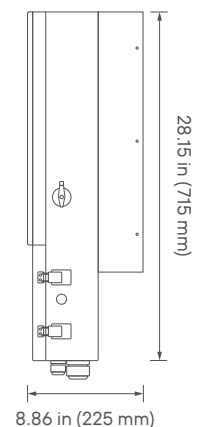
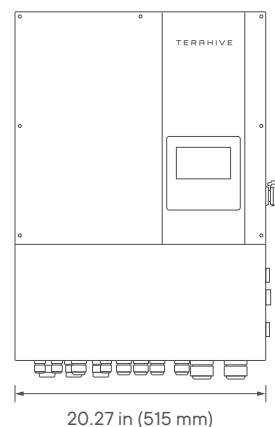


Durable Protection

IP65 ingress protection ensures safety ranging from dusty desert environments to rainy climates.

Specifications

Max. Solar Input	12 kW
MPPT Voltage Range	120 V – 550 VDC
Maximum Input Current	2 x 18 A (Max. 30 A)
Number of MPPT Trackers / Strings per Tracker	2 / 2
Continuous Output Power	10 kW
Grid Feeding Limitation	7.6 kW
Nominal Output Voltage	120 / 240 VAC
Nominal Output Current	41.7 A



HYBRID INVERTER SPECIFICATIONS

PV Input (DC)	
Maximum DC Power	12 kW
Nominal DC Voltage	360 VDC
Maximum DC Voltage	600 VDC
Working DC Voltage Range	120 VDC – 550 VDC (L-N)
MPP Voltage Range / Full Load MPP Voltage Range	120 VDC – 550 VDC (L-N)
Maximum Input Current	2 x 18 A (Max. 30 A)
Grid Output (AC)	
Nominal Output Voltage	120 / 240 VAC (L-N / L-L)
Output Voltage Range	105.5 – 132 VAC (L-N)
Nominal Output Current	41.7 A
Inrush Current / Duration	50 A / 20ms
Maximum Output Fault Current / Duration	90 A / 1ms
CEC Weighted Efficiency	95.5%
AC Input	
Acceptable Input Voltage Range	85 – 140 VAC (L-N)
Nominal Frequency	50Hz / 60Hz
AC Input Power	10,000 VA / 10,000 W
Maximum AC Input Current	60 A
Battery Mode Output (AC)	
Nominal Output Voltage	120 / 240 VAC
Output Frequency	50Hz / 60Hz
Output Power	10,000 VA / 10,000 W
Battery & Charger	
DC Voltage Range	44.8 – 56 V
Nominal DC Voltage	51.2 V
Maximum Battery Discharging Current	200 A
Maximum Charging Current	200 A
General	
Model Name	IN-HP5123US
Interface	RS 232 / USB / BMS
Operating Temperature Range	-13°F to 140°F (-25°C to 60°C)
Operating Attitude	≤ 6,562 ft (2,000 m)
Ingress Protection Rating	IP65
Warranty	12.5 years
Inverter Dimensions (WxHxD)	20.27 x 28.15 x 8.86 in (515 x 715 x 225 mm)
Inverter Weight	102.5 lbs (46.5 kg)
Compliance Information	
Certifications	UL 1741 SA/SB, UL 1741 PCS, UL 9540, CSA C22.2 NO. 107.1, IEEE 1547, IEEE 1547.1, CEC
Emission	FCC Part 15, Class B