

# 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.

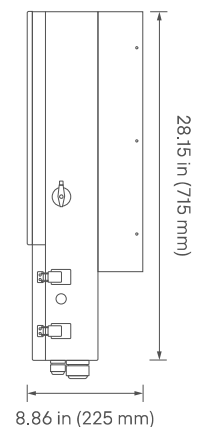
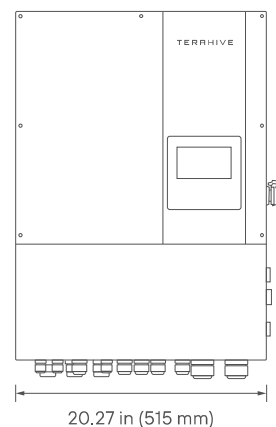


## Durable Protection

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                                                                  |