



MOONDAY

Every day is a Moonday

MZ601-HY8-06-60

Powerprime

Engineered for reliability and performance, the PowerPrime 6.2, 12 or 15 kW Hybrid Inverter delivers efficient, stable energy management for modern solar systems.

Product Features



Short Circuit



Anti-Islanding



Overload



Over Temperature



DC Reverse Polarity

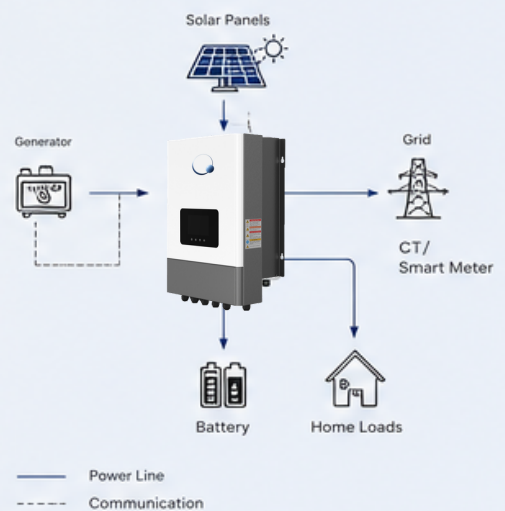


AC Overvoltage

QUICK SPECIFICATIONS

	Rated Power	6.2 - 12- 15 kW
	Max PV Input Power	6.5- 9*2 - 30 kW
	Max PV Voltage	500- 500 - 1000 VDC
	MPPT Trackers / Strings	1 - 2 - 2
	Battery Voltage	48 V
	Max Charging Current	135 - 190 - 280 A
	Max Efficiency	94 %
	Protection Degree	IP65 - IP66
	Dimension (D x W x H)	125 x 300 x 456 mm
	Weight	10 - 19.5 - 38

APPLICATION DIAGRAM



PV Input (DC)

Max PV Input Power	6.5kW / 9*2kW / 30kW
Rated Output Power	6.2kW/12kW/15kW
Max Output Power	6.2kW/12kW/15kW
Max DC Voltage	500 VDC/ 1000VDC
MPPT Voltage Range	90- 450/ 200-800 VDC
Max Input Current per MPPT	27 A / 27 A *2 / 36A
Number of MPPT Trackers	1/2/2

Battery & Charger

Battery Type	Lead-acid /Lithium-ion
Battery Voltage Range	40-60VDC
Nominal DC Voltage	48VDC
Maximum Solar Charging Current	27A /54A
Maximum AC Charging Current	80A /150A
Maximum Charging Current	100A /150A /210A
Nominal Output Voltage	230/230/240 VAC
Output voltage waveform	Pure sine wave

AC Input (DC)

AC Start-up / Restart Voltage	60 - 80 VAC / 150 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 / 60 A / 21.7 A

AC Output (On-Grid)

Nominal Output Voltage	230/230/380VAC
Output Voltage Range	218.5 – 241.5VAC
Nominal Output Current	26.96A /52.17A / 24A
Power Factor	1
Maximum Conversion Efficiency	>93%

General Data

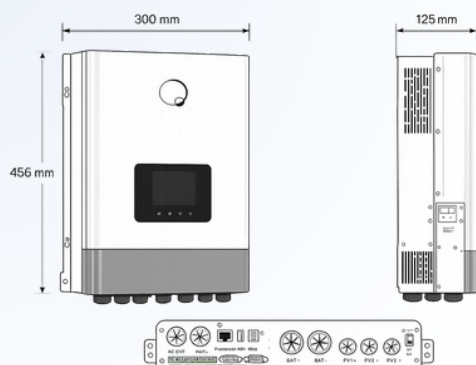
Dimension	125 x 300 x 456 mm*	Max Efficiency	>93%
Net Weight	10 / 19 / 33 kg	Efficiency (DC to AC)	94 %
Parallel Function	6 units	Operating Temperature	-10°C to 60°C
Communication Port	RS485/RS-232, WIFI	Humidity range	5 ~ 95% RH (No condensing)

* 6.2kW measurements

Product Features



Dimensions



Certifications

