



MOONDAY

Every day is a Moonday

CP603-1HYB-04-60

NovaWatt

The NovaWatt Series combines precision engineering with cutting-edge hybrid inverter technology to deliver stable, efficient power for modern solar energy systems.

Available in 4 kVA, 5 kVA, and 6 kVA versions.

Product Features



Short Circuit



Anti-Islanding



Overload



Over Temperature



DC Reverse Polarity



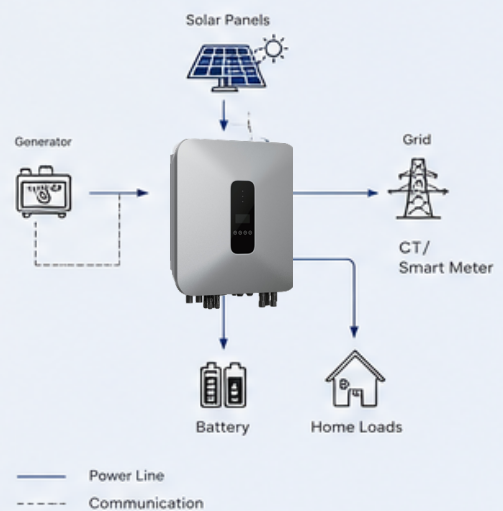
AC Overvoltage



QUICK SPECIFICATIONS

	Rated Power	6 kW
	Max PV Input Power	9 kW
	Max PV Voltage	550 VDC
	MPPT Trackers / Strings	2
	Battery Voltage	48 V
	Max Charging Current	120 A
	Max Efficiency	95 %
	Protection Degree	IP66
	Dimension (D x W x H)	485 × 525 × 22 mm
	Weight	24

APPLICATION DIAGRAM



PV Input (DC)

Max PV Input Power	9kW
Rated Output Power	6kW
Max Output Power	6kW
Max DC Voltage	550 VDC
MPPT Voltage Range	80-520 VDC
Max Input Current per MPPT	19A
Number of MPPT Trackers	2

Battery & Charger

Battery Type	Lead-acid /Lithium-ion
Battery Voltage Range	40-60VDC
Nominal DC Voltage	48VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
Nominal Output Voltage	230 VAC
Output voltage waveform	Pure sine wave

AC Input (DC)

AC Start-up / Restart Voltage	90 VAC
Acceptable Input Voltage Range	158--500 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	19A

AC Output (On-Grid)

Nominal Output Voltage	230VAC
Output Voltage Range	176-280VAC
Nominal Output Current	26.1A
Power Factor	1
Maximum Conversion Efficiency	>95%

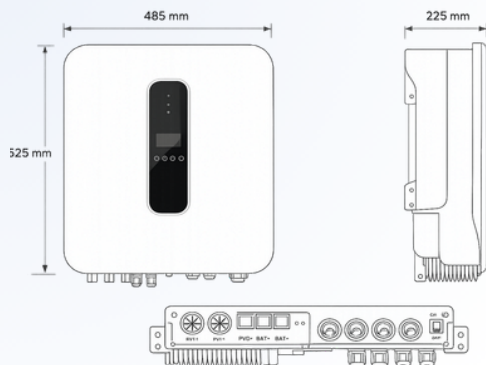
General Data

Dimension	485 × 525 × 22 mm	Max Efficiency	>99%
Net Weight	24 kg	Efficiency (DC to AC)	95 %
Parallel Function	3 units	Operating Temperature	-25°C to 60°C
Communication Port	RS485/RS-232, WIFI	Humidity range	0 ~ 95% RH (No condensing)

Product Features



Dimensions



Certifications

