



MOONDAY

Every day is a Moonday

BC602-4HY8-18-48

Greenpulse

Experience next-level energy management with our advanced inverter, designed to deliver efficient, reliable, and versatile power solutions for homes and businesses

Product Features



Short Circuit



Anti-Islanding



Overload



Over Temperature



DC Reverse Polarity

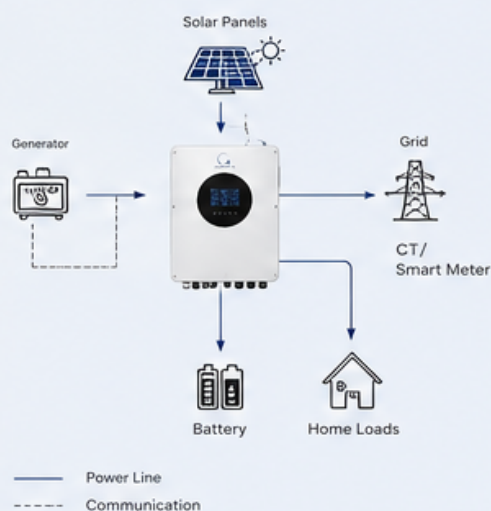


AC Overvoltage

QUICK SPECIFICATIONS

	Rated Power	6.6 - 8.6- 10.6 kW
	Max PV Input Power	12 - 16 - 18 kW
	Max PV Voltage	500 VDC
	MPPT Trackers / Strings	2/1
	Battery Voltage	48 V
	Max Charging Current	135 - 190 - 210 A
	Max Efficiency	97 %
	Protection Degree	IP66
	Dimension (D x W x H)	192 x 418 x 633
	Weight	29 - 32 - 33 kg

APPLICATION DIAGRAM



PV Input (DC)

Max PV Input Power	12kW / 16kW / 18kW
Rated Output Power	6.6kW/8.6kW/10.5kW
Max Output Power	6.6kW/8.6kW/10.5kW
Max DC Voltage	500 VDC
MPPT Voltage Range	120 - 450 VDC
Max Input Current per MPPT	20 A / 27 A / 27 A
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	135A /190A /210A
Maximum AC Charging Current	135A /190A /210A
Maximum Charging Current	135A /190A /210A
Nominal Output Voltage	220/230/240 VAC
Output voltage waveform	Pure sine wave

AC Input (DC)

AC Start-up / 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 / 60 A / 60 A

AC Output (On-Grid)

Nominal Output Voltage	220/230/240 VAC
Output Voltage Range (Selectable)	184-264.5 VAC, 195.5-253 VAC, 182-260 VAC
Nominal Output Current	28.7A /37.4A / 46.1A
Power Factor	> 0.99
Maximum Conversion Efficiency	>97%

General Data

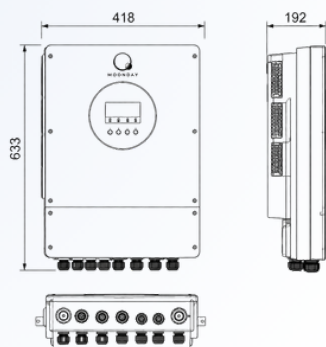
Dimension	192 x 418 x 633 mm*	Max Efficiency	>97%
Net Weight	29 / 32 / 33 kg	Efficiency (DC to AC)	93 %
Parallel Function	9 units	Operating Temperature	-10°C to 50°C
Communication Port	RS485/RS-232, WIFI	Humidity range	0 ~ 100% RH (No condensing)

* 6.6kW measurements

Product Features



Dimensions



Certifications



EN
50549



IEC/EN
62109

EMC

