



# CASA-H2

## 6kW

The CASA-H2 6kW hybrid inverter features an IP65 rated enclosure, offering strong protection against dust and water, ideal for challenging environments. With user-programmable power priorities between solar, battery, and grid, it adapts to your energy needs anytime. Smart energy management helps boost self-consumption and lower electricity bills.

### FEATURES

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- IP65 rated waterproof and dustproof for reliable outdoor and indoor use
- Dual outputs enable smart load management for optimal energy use
- Supports self-consumption and feed-in to the grid
- Programmable supply priority for PV, battery or grid
- Built-in RS485 communication port for seamless BMS integration
- User-adjustable charging current and voltage
- Supports grid-tie, off-grid, and grid-tie with backup modes
- Parallel operation of up to 9 units for scalable system design

# SPECIFICATIONS

Model	CASA-H2 6kW
Phase	1-phase in / 1-phase out
Maximum PV Input Power	9,000W
Rated Power	6,000VA / 6,000W
Maximum Charging Power	6,000W
Grid-Tie Operation	
PV Input (DC)	
Maximum DC Voltage	550VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150VDC
MPP Voltage Range	120VDC - 450VDC
Number of MPP Trackers / Maximum Input Current	2 / 30A
Grid Output (AC)	
Nominal Output Voltage	220 / 230 / 240 VAC
Output Voltage Range	184-264.5VAC or 195.5-253VAC or 184-264.4VAC (selectable)
Nominal Output Current	26A
Power Factor	> 0.99
Efficiency	
Maximum Conversion Efficiency (DC/AC)	95%
AC Input	
AC Start-up Voltage / Auto Restart Voltage	120-140VAC / 180VAC
Acceptable Input Voltage Range	90-300VAC or 170-300VAC
Frequency Range	50Hz / 60Hz (auto sensing)
Maximum AC Input Current	40A
Battery Mode Output (AC)	
Nominal Output Voltage	220 / 230 / 240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
Battery & Charger	
Nominal DC Voltage	48VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
General	
Dimension, D x W x H (mm)	630 x 414 x 192
Net Weight (kgs)	32
Parallel Function	Yes, 9 units
Communication Port	USB or RS-232 / Dry Contact / RS485 / Wi-Fi
Humidity	0 - 95% RH (No condensing)
IP Degree	IP65
Operating Temperature	-25°C to 50°C

