



CASA-H2

30kW / 50kW

With Ingress Protection IP65, the CASA-H2 30kW & 50kW are built for both outdoor and indoor environments, resistant to moisture and dust. They feature dual AC input power sources for uninterrupted operation and can be paralleled with up to 4 units for easy power expansion.

FEATURES

- IP65 rating ensures the unit is fully waterproof and dustproof, ideal for harsh environments.
- Features third-generation SIC MOSFET for enhanced efficiency and performance.
- Accepts dual AC inputs, including both utility and generator power sources.
- Comes with built-in WiFi for easy mobile monitoring via the available app.
- Adjustable charging current of up to 50A for customizable power management.
- Supports a wide range of battery inputs, offering flexibility for various setups.
- Includes an RS485 communication port for seamless integration with BMS systems.
- Can operate in parallel mode, supporting up to 4 units for increased capacity.

SPECIFICATIONS

Model	CASA-H2 30kW	CASA-H2 50kW
Maximum PV Input Power	40,000W	65,000W
Rated Power	30,000W	50,000W
Maximum Charging Power	30,000W	50,000W
Operation		
PV Input (DC)		
Nominal DC Voltage / Maximum DC Voltage	720VDC / 1000VDC	
Start-up Voltage / Initial Feeding Voltage	320VDC / 350VDC	
MPP Voltage Range	350VDC - 900VDC	
Number of MPP Trackers / Maximum Input Current	3 / A: 26A, B: 26A, C:26A	4/ A: 36A, B: 36A, C: 36A, D:36A
Number of Strings per MPP Tracker	A: 2, A: 2, C: 2	A: 2, B: 2, C: 2, D:2
Grid Output (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Voltage Range	184 - 265 VAC per phase	
Nominal Output Current	43.5A per phase	73 A per phase
Power Factor	0.9 lag to 0.9 lead	
Efficiency		
Maximum Conversion Efficiency (DC/AC)	96.5%	
European Efficiency@ Vnominal	96%	
AC Input		
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180VAC	
Acceptable Input Voltage Range	170 - 280 VAC per phase	
Maximum AC Input Current	50A	83A
Battery Mode Output (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Efficiency (DC to AC)	97%	
Battery & Charger		
Battery Voltage Range	500 - 900 VDC	200 - 900 VDC
Maximum Charging Current	50A	100A
General		
Dimension, D x W x H (mm)	255 x 660 x 750	
Net Weight (kgs)	85	90
Communication Port	RS-232 / USB / Dry Contact / RS485 / Wi-Fi	
Intelligent Slot	Optional SNMP, MODBUS and GPRS	
Humidity	0 - 100% RH	
Operating Temperature	-25°C to 60°C	
Altitude	0 - 1,000 m**	

