



CASA-H2

12kW / 15kW



The CASA-H2 12kW & 15kW features a built-in LCD HMI that makes setup simple and intuitive. Key information is clearly displayed, with settings grouped by function for quick access.

Five preset scenarios allow for fast configuration, while interactive graphs provide detailed performance data at a glance.

FEATURES

- IP66-rated enclosure for durability in tough environments.
- Easy configuration with user-friendly HMI LCD interface.
- Supports 150% unbalanced load for flexible operation.
- Handles up to 26A max PV input for enhanced solar compatibility.
- Built-in WiFi for mobile monitoring via app.
- Dual outputs for smart load management.
- Adjustable charging current for different battery needs.
- RS485 port for seamless BMS integration.
- Can operate up to 6 units in parallel for scalable performance.

SPECIFICATIONS

| Model | CASA-H2 12kW | CASA-H2 15kW |
|--|--|----------------------------------|
| Maximum PV Input Power | 16000W | 22500W |
| Rated Power | 12000 W | 15000 W |
| Maximum Charging Power | 12000 W | 15000 W |
| Operation | | |
| PV Input (DC) | | |
| Nominal DC Voltage / Maximum DC Voltage | 720VDC / 1000VDC | |
| Start-up Voltage / Initial Feeding Voltage | 320VDC / 350VDC | |
| MPP Voltage Range | 350VDC - 950VDC | |
| Number of MPP Trackers / Maximum Input Current | 2 / A:26A, B:26A | |
| Number of Strings per MPP Tracker | A: 2, B: 2 | |
| Grid Output (AC) | | |
| Nominal Output Voltage | 230 VAC (P-N) / 400 VAC (P-P) | 230 VAC (P-N) / 400 VAC (P-P) |
| Output Voltage Range | 184 - 265 VAC per phase | 184 - 265 VAC per phase |
| Output Frequency Range | 47.5 - 51.5 Hz or 59.3 - 60.5 Hz | 47.5 - 51.5 Hz or 59.3 - 60.5 Hz |
| Nominal Output Current | 17.4 A per phase | 21.7 A per phase |
| Power Factor | 0.9 lag to 0.9 lead | |
| Efficiency | | |
| Maximum Conversion Efficiency (DC/AC) | 96% | |
| European Efficiency@ Vnominal | 95% | |
| AC Input | | |
| AC Start-up Voltage / Auto Restart Voltage | 120 - 140 VAC / 180VAC | |
| Acceptable Input Voltage Range | 170 - 290 VAC per phase | |
| Maximum AC Input Current | 40A | |
| Battery Mode Output (AC) | | |
| Nominal Output Voltage | 230 VAC (P-N) / 400 VAC (P-P) | |
| Efficiency (DC to AC) | 91% | |
| Battery & Charger | | |
| Battery Voltage Range | 40 - 62 VDC | |
| Maximum Charging Current | 250A | 300A |
| General | | |
| Dimension, D x W x H (mm) | 255 x 660 x 750 | |
| Net Weight (kgs) | 75 | 78 |
| Communication Port | RS-232 / USB / Dry Contact / RS485 / Wi-Fi | |
| Intelligent Slot | Optional SNMP, MODBUS cards | |
| Humidity | 0 - 100% RH | |
| Operating Temperature | -25°C to 60°C | |
| Altitude | 0 - 1,000 m** | |

