













# CASA-H

15kW

This hybrid inverter model is a flexible & intelligent solar power storage system that will save you on electricity bills.

This model combines solar power, AC utility, and battery power source to supply continuous power. It's your ideal product for home / business / industrial devices.

## FEATURES

-  Pure sinewave output
-  Off-Grid, On-Grid & Hybrid
-  Programmable supply priority
-  Adjustable charging current & voltage
-  Parallel operation up to 6 units
-  Self-consumption & Feed-in to the grid
-  Adjustable battery charging current
-  Multiple communication
-  Monitoring software
-  Built-in timer

# SPECIFICATIONS

Model		Casa 15kW
Phase	3-phase in / 3-phase out	
Maximum PV Input Power	22,500 W	
Rated Output Power	15,000 W	
Maximum Charging Power	15,000 W	
Parallel Capability	Up to 6 units	
Operation		
AC Input		
AC Start-up Voltage	120 - 140 VAC per phase	
Auto Restart Voltage	180 VAC per phase	
Acceptable Input Voltage Range	170 - 280 VAC per phase	
Maximum AC Input Current	40 A	
PV Input (DC)		
Nominal DC Voltage	720 VDC	
Maximum DC Voltage	900 VDC	
Start-up Voltage	320 VDC	
Initial Feeding Voltage	350 VDC	
MPPT Voltage Range	400 VDC - 800 VDC	
MPPT Trackers	2	
Maximum Input Current	A: 37.65 A; B: 18.6 A	
AC Output		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Voltage Range	184 - 264.5 VAC per phase	
Nominal Output Current	21.7 A per phase	
Power Factor	> 0.99	
AC Output (Battery mode)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Waveform	Pure sinewave	
Efficiency (DC to AC)	91%	
Maximum Conversion Efficiency (DC/AC)	96%	
European Efficiency@ Vnominal	95%	
Battery & Charger		
Nominal DC Voltage	48 VDC	
Maximum Solar Charging Current	Default 60A, 5A - 300A [adjustable]	
General		
Physical		
Dimension, D x W x H (mm)	219 x 650 x 820	
Net Weight (kg)	62	
Interface		
Communication Port	RS-232, USB and Dry contact	
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available	
Environment		
Humidity	0 - 90% RH (Non-Condensing)	
Operating Temperature	-10 to 50°C	
Altitude	0 - 1000 m (De-rating 1% every 100m when >1000m)	