

















# CASA-S

8kW / 11kW

The Casa Solar is a high performance off-grid inverter with solar charger and customizable status LED bar with RGB light.

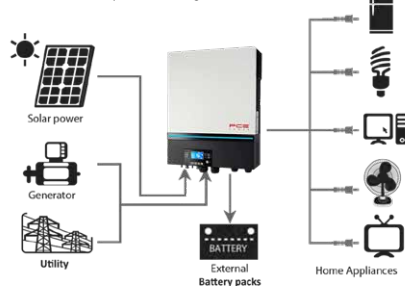
## FEATURES

-  Pure sinewave output
-  Off-Grid system
-  Wide PV input voltage
-  Maximum PV input current
-  Built-in WiFi
-  USB On-the-Go
-  Parallel operation up to 6 units
-  Replaceable fan design
-  Generator compatible
-  BMS communication port
-  Selectable high-power current
-  Battery independent
-  Built-in 2.8" colored LCD
-  Status LED bar (RGB lights)

# SPECIFICATIONS

Model	Casa-S 8kW	Casa-S 11kW
<b>Rated Power</b>	8,000 W	11,000 W
<b>Parallel Capability</b>	Up to 6 units	
<b>Operation</b>		
<b>Input</b>		
<b>Voltage</b>	170-280 VAC; 90-280 VAC	
<b>Voltage Range</b>	110-280 VAC	
<b>Frequency Range</b>	50 Hz/60 Hz (Auto sensing)	
<b>Output</b>		
<b>Voltage Regulation</b>	230VAC $\pm$ 5%	
<b>Output THDv</b>	<5% for linear load, <10% for non-linear load @ nominal voltage	
<b>Surge Power</b>	16,000 VA	22,000 VA
<b>Efficiency (Peak)</b>	90-93%	
<b>Transfer Time (Depending on Voltage Range)</b>	15 ms; 20 ms	
<b>Waveform</b>	Pure sinewave	
<b>No Load Power Consumption</b>	< 70 W	
<b>Battery</b>		
<b>Battery Voltage</b>	48 VDC	
<b>Floating Charge Voltage</b>	54 VDC	
<b>Overcharge Protection</b>	66 VDC	63 VDC
<b>Solar Charger &amp; AC Charger</b>		
<b>Solar Charger Type</b>	MPPT	
<b>Maximum PV Array Open Circuit Voltage</b>	500 VDC	
<b>Maximum PV Array Power</b>	8,000 W (4,000 W x 2)	11,000 W (5,500 W x 2)
<b>MPPT Range @ Operating Voltage</b>	90 - 450 VDC	
<b>Maximum Solar Charge Current</b>	120 A	150 A
<b>Maximum AC Charge Current</b>	120 A	150 A
<b>Maximum Charge Current</b>	120 A	150 A
<b>General</b>		
<b>Physical</b>		
<b>Dimension, D x W x H (mm)</b>	147.4 x 432.5 x 553.6	
<b>Net Weight (kg)</b>	18.4	
<b>Communication Interface</b>	USB / RS232 / RS485 / Wi-Fi / Dry-contact	
<b>Environment</b>		
<b>Humidity</b>	5% to 95% Relative Humidity (Non-condensing)	
<b>Operating Temperature</b>	-10°C to 50°C	
<b>Storage Temperature</b>	-15°C to 60°C	
<b>Compliance Safety</b>	CE	

As normal power system



As backup power system

