ON/OFF Grid Solar Hybrid Inverter

WIFI (Optional)

LCD Remote Control (Optional)

Silent Fan

150A MPPT SCC

6.25inch LCD Display

Touchable Button

Tempered glass upper cover

WIFI (optional)

Pure sine wave

SBU Mode

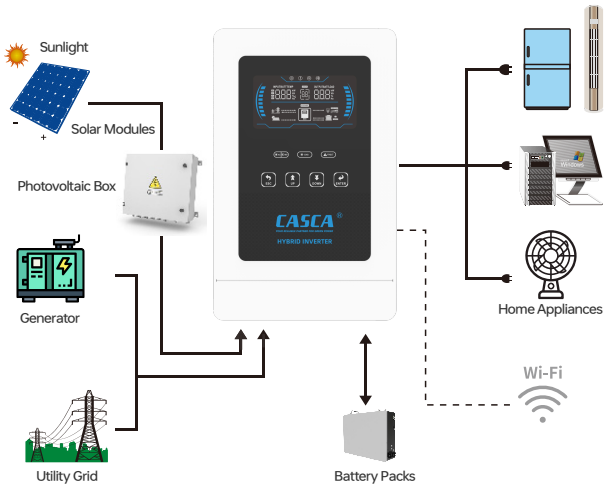
Can adjust AC voltage

Works With and Without battery

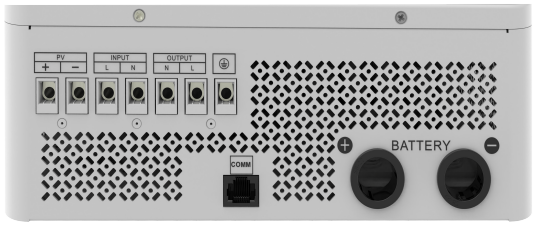
Features

- On/Off Grid Solar Inverter
- Working without batteries in sunny day
- Under Battery Mode can adjust ac voltage to 110V AC or 220V AC
- SBU Mode : Utility Power, battery and PV Power complement each other
- pure sine wave solar inverter
- Unique glass top cover design with 6.25inch LCD display and touchable buttons
- Built-in 150A MPPT (Max PV 7200W) solar charger
- High PV input range from 55V-450V DC
- Smart battery charger design for optimized battery performance
- Configurable AC/Battery input priority via LCD setting
- Auto restart while PV is recovering
- Over-load , over temperature and output short circuit protection
- Cold restart function
- Built-in lithium battery automatic activation
- Communication with RS232/RS485
- WiFi monitoring function (optional)
- Anti-dust kit for harsh environment(optional)
- Restore default Settings with one click

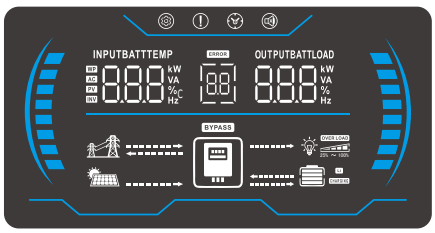
Solar System Connection



Overview



LCD Display



Product Data Sheet

CASCA®
YOUR RELIABLE PARTNER FOR GREEN POWER

Model		PHOENIX CA-6500
Rated Power		6500W
Input		
Voltage		230VAC
Selectable Voltage Range		175-265V AC (For personal computers) | 90-265V AC (For home appliances)
Frequency Range		50Hz/60Hz (Auto sensing)
Output		
AC Voltage Regulation (Batt.Mode)		230V AC±5%
Surge Power		2* rated power for 5 seconds
Efficiency (Peak) PV To INV		97%
Efficiency (Peak) B AT To INV		94%
Transfer Time		10ms (For personal computers) | 20ms (For home appliances)
Wave Form		Pure Sine Wave
Battery & AC Charger		
Battery Voltage		48V DC
Bulk Charging Voltage	Flooded Battery	58.4V DC
	AGM/GEL Battery	56.4V DC
Floating Charge Voltage		54V DC
Overcharge Protection		63V DC
Maximum Charge Current		110A
Solar Charger		
MAX.PV Array Power		7200W
MPPT Range@Operating Voltage		55-450V DC
Maximum PV Array Open Circuit Voltage		450V DC
Maximum Charging Current		130A
Maximum Efficiency		99%
Grid-Tie Operation		
PV INPUT (DC)		55-450V DC
Nominal DC Voltage / MAXimum DC Volatge		360V DC/450V DC
Start-up Voltage / Initial Feeding Voltage		55V DC
MPPT Voltage Range		55V DC-360V DC
Number Of MPPT Trackers / Maximum Input Current		1 / 20A
Grid Output(AC)		
Nominal Output Voltage		230V AC
Output Voltage Range		176V-264V
Nominal Output Current		28.2A
Power Factor		>0.99
Feed-in Grid Frequency Range		49~51+1Hz
Efficiency		
Maximum Conversion Efficiency (DC/AC)		98%
MPPT Efficiency		99.90%
Physical		
Dimension D*W*H (mm)		400*250*89mm
Net Weight (kgs)		8.5kg
Communication Interface		RS485 / RS232 (Standard) LCD Remote / WIFI (Optional)
Operating Environment		
Humidity		5% to 95% Relative Humidity (Non-Condensing)
Operating Temperature		0°C to 55°C
Storage Temperature		-15°C to 60°C