

**CASCA**®  
YOUR RELIABLE PARTNER FOR GREEN POWER

# Hybrid Inverter

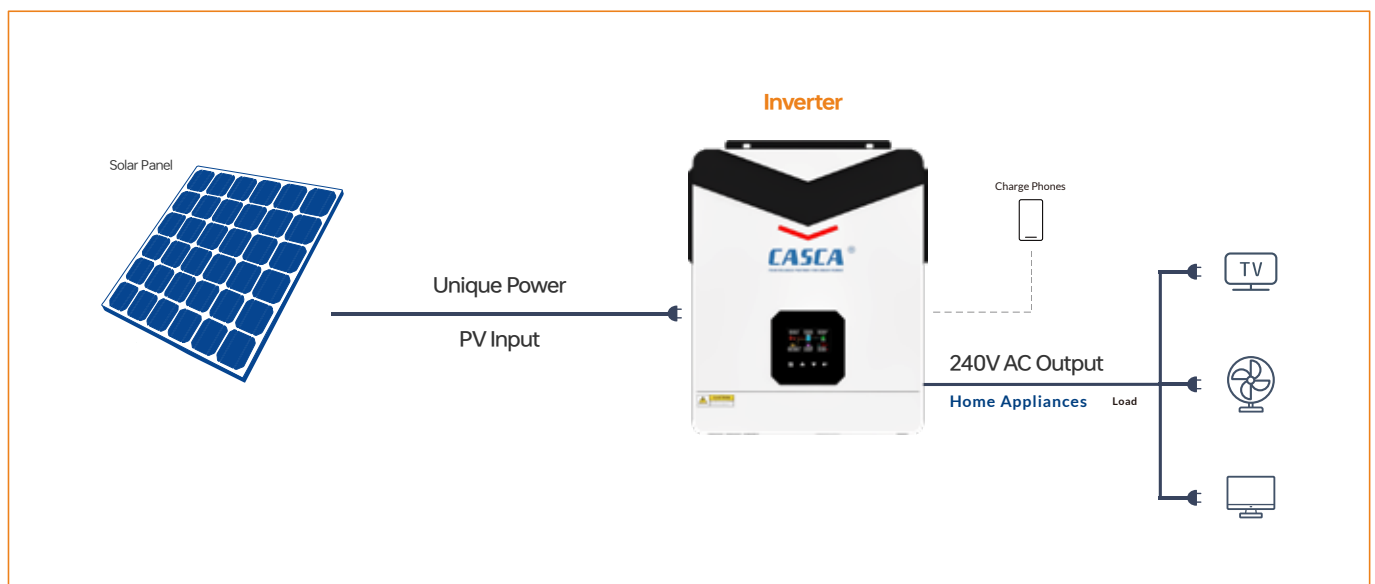


## ◆ Features

- ◆ Pure sine wave solar inverter(Hybrid Off Grid)
- ◆ WIFI&GPRS available for IOS and Android (Optional)
- ◆ Inverter can not run without battery
- ◆ One-key restoration to factory Settings
- ◆ High PV input voltage range(60~ 500VDC)
- ◆ Built Remove LCD Display and Key



## ◆ Introduction



Model	PHOENIX CA-4200	PHOENIX CA-6200
Maximum PV Input Power	6200W	6500W
Rated Output Power	4200W/4200VA	6200W/6200VA
Maximum Solar Charging Current	140A	120A
<b>GRID-TIE OPERATION</b>		
<b>PV INPUT (DC)</b>		
Nominal DC Voltage/Maximum DC Voltage	360/500VDC	
Start-up Voltage /Initial Feeding Voltage	60VDC/90VDC	
MPPT Voltage Range	60~450VDC	
Maximum Input Current	1/18A	1/22A
<b>GRID OUTPUT(AC)</b>		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195~253VAC	
Nominal Output Current	18.2A	27.0A
Power Factor	>0.99	
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency(DC/AC)	98%	
<b>TWO LOAD OUTPUT POWER</b>		
Full Load	4200W	6200W
Maxium Main Load	4200W	6200W
Maxium Second Load(Battery Mode)	1400W	2067W
Maxium Load Cut Off Voltage	26VDC	52VDC
Maxium Load Return Voltage	27VDC	54VDC
<b>AC INPUT</b>		
AC Start-up Voltage /Auto Restart Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VAC or 170-280VAC	
Frequency Range	49~51±1HZ	
Maximum AC Input Current	30A	40A
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	220/230/240VAC	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	94%	
<b>BATTERY &amp; CHARGER</b>		
Nominal DC Voltage	24VDC	48VDC
Maximum Solar Charging Current	140A	120A
Maximum AC Charging Current	100A	100A
Maximum Solar+AC Charging Current	140A	120A
<b>PHYSICAL</b>		
Dimension,D*W*H(mm)	420*350*110mm	
Cartoon Dimension,D *W *H(mm)	500*415*180mm	
Net Weight (kgs)	8.0	8.9
Gross Weight(kgs)	9.0	10.0
<b>INTERACE</b>		
Communication Port	RS232 / RS485 / WIFI / GPRS / LITHIUM BATTERY	
Humidity	5% to 95% Relative Humidity(Non~condensing)	
Operating Temperature	-10°C~50°C	
Compliance Safety	CE	