



»» Features

- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range (55~450VDC)
- Built-in Max 110A (3.8KW & 6.2KW) MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh environment (optional)
- WIFI & GPRS available for IOS and android

Product Data Sheet

MODEL	CV-SP-2200-12V	CV-SP-3200-24V
Rated Power	2200VA/1800W	3200VA/3000W
Voltage	230VAC	
Selectable Voltage Range	170-280VAC (for personal computer)	90-280VAC (for home appliances)
Frequency Range	50Hz/60Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC+5%	
Surge Power	4400VA	6400VA
Transfer Time	10ms (for personal computer)	20ms (for home appliances)
Waveform	Pure Sine Wave	
BATTERY & AC CHARGER		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Over Charge Protection	15.5VDC	31VDC
Maximum Charge Current	60A	
SOLAR CHARGER		
MAX. PV Array Power	2000W	3000W
MPPT Range @ Operating Voltage	55-450VDC	
Maximum PV Array Open Circuit Voltage	450VDC	
Maximum Charging Current	80A	
Maximum Efficiency	98%	
PHYSICAL		
Dimension D*W*H (mm)	405*286*98mm	
Net Weight (kgs)	4.5kg	5.0kg
Communication Interface	RS232/RS485 (Standard) WIFI (Optional)	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 55°C	
Storage Temperature	-15°C to 60°C	