

C series single phase inverter

Features:

- Toroidal transformer, low self-consumption
- Wide input voltage range and high-precision output
- Three working modes: AC priority, DC priority, ECO mode
- Settings for battery type, charging voltage and current are available
- Power frequency design, pure sine wave, suitable for various types of loads
- Protection: Battery over / low voltage, overload, short circuit, over- temp. and etc
- Lightning arrester (optional)
- 4G/WiFi monitoring (optional)
- Unattended function (optional)
- Built in MPPT controller, higher charging efficiency(Optional)
- Touch screen, more accurate and intuitive, and easier operation(Optional)



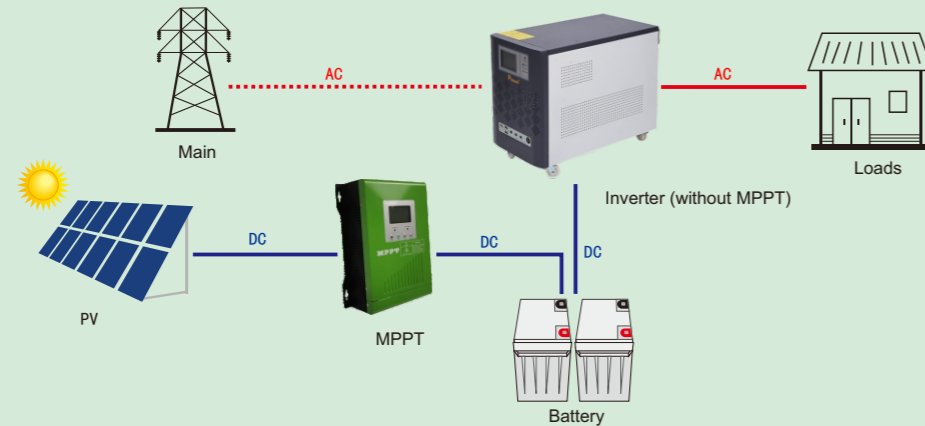
Floor-standing Design

Application

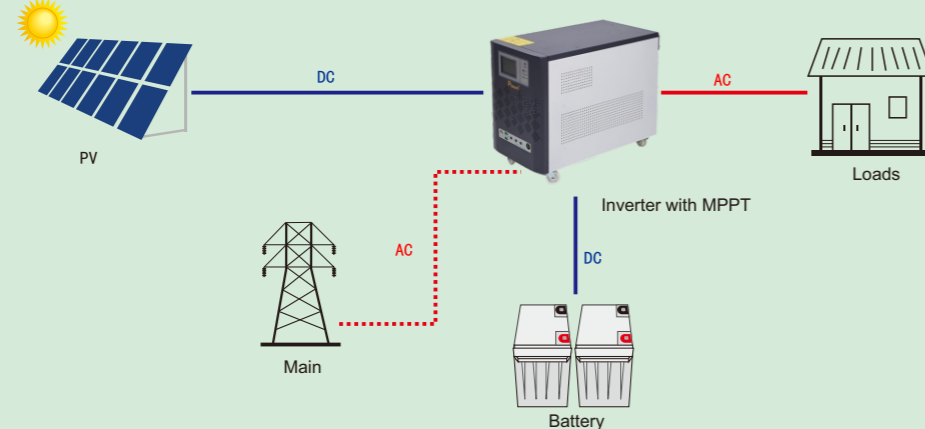


Application diagram

Inverter without built-in MPPT controller



Inverter with built-in MPPT controller



Technical Parameters

Inverter	CN150	CN200	CN300	CN400	CN500	CN600	CN400	CN500	CN600	CN800	CN1000
Inverter with MPPT	CM150	CM200	CM300	CM400	CM500	CM600	CM400	CM500	CM600	CM800	CM1000
Rated power	1500W	2000W	3000W	4000W	5000W	6000W	4000W	5000W	6000W	8000W	10000W
Battery voltage	24V/48V			48V			96V			48V	
Size (L*W*H/mm)	520*220*360			520*250*400			620*350*500				
Package size (L*W*H/mm)	560*265*400			580*310*450			680*410*550				
N.W. (KG)	15	20	23	29	33	34	29	33	34	49	52
G.W.(KG)	17	23	26	36.5	40.5	41.5	36.5	40.5	41.5	56	59

Input

Phase	L+N+G
AC input range	110V:85-138VAC;220V:170-275VAC
Input frequency	45Hz~55Hz or 55Hz~65Hz

Output

Output voltage	Inverter mode: 110VAC/220V±5%; AC mode: 110VAC/220VAC±10%
Frequency range (AC mode)	Auto-detect
Frequency range (inverter mode)	50Hz/60Hz±1%
Over load capacity	AC mode:(100%~110%:10min;110%~130%:1min;>130%:1s;) inverter mode:(100%~110%:30s;110%~130%:10s;>130%:1s;)
Crest ratio	3:1max
Transfer time	<10ms(Typical loads)
Waveform	Pure sine wave
Efficiency	>85%(80% resistive loads)
Protection functions	Battery overvoltage protection,battery undervoltage protection,overload protection, short circuit protection,overtemperature protection,etc.

Built-in solar charge controller(Optional)

Max charge current	30A	50A	60A	100A	120A
Battery voltage	24V/48V	24V/48V/96V	24V/48V/96V	24V/48V	24V/48V
PV input voltage range	24V:38V-150V		48V:65V-150V	96V:145V-200V	
Max PV input	24V:720W 48V:1440W	24V:1200W 48V:2400W 96V:4800W	24V:1440W 48V:2880W 96V:5760W	24V:2400W 48V:4800W	24V:2880W 48V:5760W
Cooling method	Fans cooling				

Environmental conditions

Operating temperature	0°C-40°C (Battery life decreases at ambient temperatures above 25 degrees Celsius)
Operation humidity	<95% (without condensing)
Operating altitude	<1000m(with increase of 100m,it will reduce output of 1%) max5000m
Noise	<58dB(distance to machine 1m)

Management

Display	LCD+LED
Communication interface	Rs232(Optional)

*The specifications, dimensions and materials are subject to change without further notice.