

C series single phase inverter

Power frequency scheme design, pure sine wave output, suitable for various types of loads,

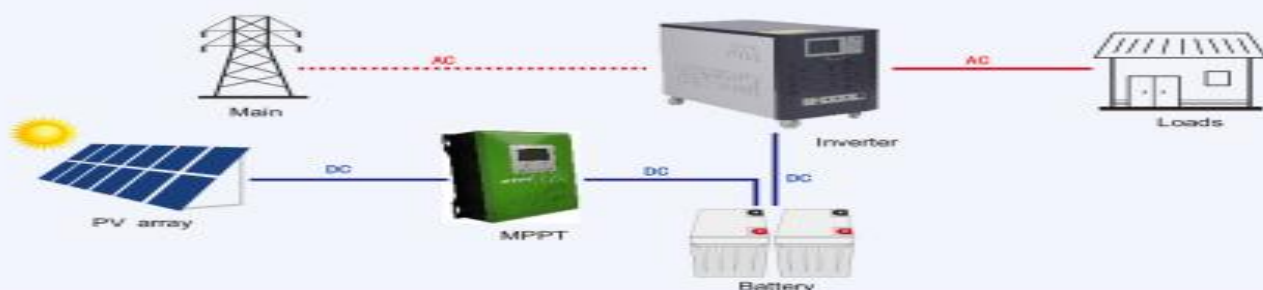
Ring type transformer, low no-load loss;

Wide input voltage range and high-precision output; Three mode can be set, battery type, charging voltage and current adjustable. Battery overvoltage / low voltage, overload, short circuit, over temperature protection, etc;

Built in MPPT controller, higher charging efficiency:

It can be used as unattended function and more humanized (optional); Lightning arrester can be installed (optional); Built in or external WiFi monitoring (optional);

New touch screen design, more accurate and intuitive display and simple operation





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Technical Parameters

Inverter mode	CN150	CN200	CN300	CN400	CN500	CN600	CN400	CN500	CN600	CN800	CN1000
Inverter with controller mode	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*Hmm)	520*220*360			520*250*400			620*350*500				
package size (L*W*Hmm)	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										

Output											
Output voltage	inverter mode: 110VAC/220V±5%;AC mode: 110VAC/220VAC±10%;										
Frequency range (AC mode)	Automatic tracking										
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;)										
Peak current ratio	3:1max										
Conversion 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(adjust)											
Max charge current	40A		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: 960W 48V: 1920W		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										
Computer communication interface	RS232(adjust)										