



Residential Commercial And Industrial Hybrid Inverters 10200W 90-450V

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CX
- Certification: CE
- Model Number: CXS102
- Minimum Order Quantity: 10 unitsV
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Maximum PV Input Power: 10200W
- MPPT Voltage Range: 90-450VDC
- 90-450VDC: 50A
- AC Output Voltage Range: 220/230/240VAC
- Maximum Efficiency: 98%
- Battery Nominal DC Voltage: 48VDC
- Highlight: **residential hybrid inverters, 450V hybrid inverter, commercial hybrid inverters**

Product Description

Powerful and Versatile Hybrid Inverters for Residential Commercial and Industrial

Product Description:

This new pure sine wave solar inverter offers seamless integration of on-grid and off-grid solar systems, providing high efficiency with a power factor of 1.0. Equipped with 160A MPPT solar charge controllers, this inverter supports high PV input voltage ranges from 90VDC to 500VDC. It also features a dual output system, smart battery charge optimization, and built-in dustproof anti-dust kits, making it ideal for harsh environments. Additionally, it includes touch-button controls and advanced monitoring via Wi-Fi/GPRS, available for iOS and Android devices. The inverter can function both with and without a battery, offering versatile power management for various applications.

INVERTER					
MODEL	SY7.2K	SY8.2K		SY10.2K	
Phase		1-phase			
Maximum PV Input Power	8200W	8200W	5400W+ 5400W	10200W	5400W+ 5400W
Rated Output Power	7200W/7200VA	8200W/8200VA		10200W/10200VA	
Nomina DC Voltage/Maximum DC Voltage	140A	160A		160A	
GRID-TIE OPERATION					
PVINPUT(DC)					
Nomina DC Voltage/Maximum DC Voltage		360/500VDC			
Start-up Voltage/Initial FeedingVoltage		90VDC/120VDC			
MPPT Voltage Range		90~450VDC			
Maximum Input Current	1/23A	1/23A	2/18A	1/23A	2/18A
GRID OUTPUT(AC)					
Nominal Output Voltage		220/230/240VAC			
Output Voltage Range		195~253VAC			
Nominal Output Current	31.3A	35.6A		44.3A	
Power Factor		>0.99			

EFFICIENCY					
Maximum Conversion Efficiency(DC/AC)	98%				
TWO LOAD OUTPUT POWER					
Full Load	7200W	8200W		10200W	
Maximum Main Load	7200W	8200W		10200W	
Maximum Second Load(battery mode)	2400W	2733W		3400W	
Maximum Load Cut Off Voltage	52VDC	52VDC		52VDC	
Maximum Load Return Voltage	54VDC	54VDC		54VDC	
OFF-GRID OPERATION					
AC INPUT					
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	40A	40A	50A		
PV INPUT(DC)					
Nominal DC Voltage/Maximum DC Voltage	360/500VDC				
MPPT Voltage Range	90~450VDC				
Maximum Input Current	1/23A	1/23A	2/18A	1/23A	2/18
BATTERY MODE OUTPUT(AC)					
Nominal Output Voltage	220/230/240VAC				
Output Waveform	Pure sine wave				
Efficiency(DC to AC)	94%				
BATTERY&CHARGER					
Nominal DC Voltage	48VDC				
Maximum Solar Charging Current	140A	160A		160A	
Maximum AC Charging Current	120A	140A		140A	
Maximum Charging Current	140A	160A		160A	
HYBRID OPERATION					
PV INPUT(DC)					
Nominal DC Voltage/Maximum DC Voltage	360/500VDC				
Start-up Voltage /Initial Feeding Voltage	90VDC/120VDC				
MPPT Voltage Range	90-450VDC				
Maximum Input Current	1/23A	1/23A	2/18A	1/23A	2/18A
GRID OUTPUT(AC)					
Nominal DC Voltage	220/230/240VAC				
Output Voltage Range	190~253VAC				
Nominal Output Current	31.3A	35.6A		44.3A	

AC INPUT					
AC Start-up Voltage /Auto RestartVoltage	120-140VAC/180VAC				
Acceptable InputVoltage Range	90-280VAC or 170-280VAC				
Maximum ACInput Current	40A	40A	50A		
Maximum AC Charging Current	120A	140A	140A		
GENERAL					
PHYSICAL					
Dimension,D×W×H(mm)	500*390*130	500*390*130	530*420*160	500*390*130	530*420*160
Carton Dimension,D×W×H(mm)	588*463*205		618*463*205	588*463*205	618*463*205
Net Weight(kgs)	13.6	14.5	14.6	14.8	15
Gross Weight(kgs)	14.9	16	16.1	16.2	16.5
INTERACE					
Communication Port	RS232/RS485/WIFVGPRS/LITHIUM BATTERY				
ENVIRONMENT					
Humidity	5%to 95%Relative Humidity(Non~condensing)				
Operating Temperature	-10°C~50°C				
STANDARD					
Compliance Safety	CE				

Application:

This solar inverter is perfectly suited for residential, commercial, and industrial solar power systems. It can be used in environments requiring a reliable power supply, such as homes, small businesses, or off-grid locations. With its smart battery charging capabilities and dual PV input, it ensures maximum energy storage efficiency and continuous power availability. The dustproof design and anti-dust kit make it ideal for outdoor and industrial environments, offering robust performance even in harsh conditions.

Shipping Methods

Supports global air and sea shipping.



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