



Solar Inverter for Various Settings with Integrated Design and Backup Power **Solutions**

Basic Information

Packaging Details:

. Place of Origin: China . Brand Name: CX CE · Certification: Model Number: **CXSES** Minimum Order Quantity: 8 units

• Price: consult prices online consult online

• Payment Terms: T/T



Product Specification

• Max PV Input Power: 6200W (for 3.6KW) / 6500W (for 6.2KW) 3600W (3.6KW) / 6200W (6.2KW) • Rated Output Power:

60~450VDC • Input Voltage Range: Pure Sine Wave • Output Waveform: Max AC Input Current: 30A / 40A • Max PV Charging Current: 120A

• Highlight: 6kw hybrid inverters, 120a hybrid inverters, 6kw mppt solar charge controller

Product Description

Solar Inverter for Various Settings with Integrated Design and Backup Power Solutions

Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for iOS and Android
- Inverter can run without battery
- One-keyrestoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 120A MPPT Solar charge:max 6200W(for 3.6KW),max6500W(for 6.2KW)
- High PV input voltage range(60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

Product Description

This solar inverter with a built-in MPPT controller is designed for efficient energy management, offering both grid-tied and off-grid operation. It supports a high PV input voltage range of 60-500VDC, making it suitable for various solar panel setups. The pure sine wave output ensures smooth power delivery to connected appliances, while the integrated BMS protection optimizes battery performance and safety. With a dual output system, the inverter can efficiently charge batteries and provide power directly to appliances, even in harsh environments thanks to the built-in dustproof and anti-dust kit. The unit is designed with a lithium-ion battery automatic activation feature, RGB lighting, and a smart charging system to extend battery life.

INVERTER				
MODEL SY-ESS-3.6KW PLUs SY-ESS-6.2KWPLUS				
Phase 1-phase				
Maximum PVInput Power 6200W 6500W				
Rated Output Power 3600W/3600VA 6200W/6200VA				
Nominal DC Voltage/Maximum DC Voltage 120A				
GRID-TIE OPERATON				
PV INPUT(DC)				
Nominal DC Voltage/Maximum DC	360/500VDC			
Voltage	000/300 100			
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC			
MPPTVoltage Range	60~450VDC			
Maximum Input Current	1/18A	1/22A		
GRID OUTPUT(AC)				
Nominal Output Voltage	220/230/240VAC			
Output VoltageRange	195.5-253VAC			
Nominal Output Current	15.7A	27.0A		
Power Factor	>0.99			

EFFICIENCY			
Maximum Conversion			
Eficiency(DC/AC)	98%		
TWO LOAD OUTPUT POWER			
Full Load	3600W	6200W	
Maximum Main Load	3600W	6200W	
Maximum Second Load(battery mode)	1200W	2067W	
Maximum Load Cut Off Voltage	26VDC	52VDC	
Maximum Load Return Voltage	27VDC	54VDC	
OFF-GRID OPERATION	-	-	
AC INPUT			
AC Start-up Voltage /Auto Restart			
Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280V	90-280VAC or 170-280VAC	
Frequency Range	49~51±1Hz		
Maximum ACInput Current	30A	40A	
PVINPUT(DC)	·	1	
Nominal DC Voltage/Maximum DC	360/500VDC		
Voltage	360/3007DC		
MPPT VoltageRange	60~450VDC		
Maximum Input Current	1/18A	1/22A	
BATTERY MODE OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Waveform	Pure sinewave		
Eficiency(DC to AC)	94%		
BATTERY&CHARGER			
Nominal DC Voltage	24VDC	48VDC	
Maximum Solar Charging Current	120A	120A	
Maximum AC Charging Current	100A	100A	
Maximum Charging Current	120A	120A	
HYBRID OPERATION	1	1	
PVINPUT(DC)			
Nominal DC Voltage/Maximum DC	360/500VDC		
Voltage			

MPPT Voltage Range 60~450VDC Maximum Input Current 1/18A 1/22A GRID OUTPUT(AC) Nominal DC Voltage 220/230/240VAC Output Voltage Range 195.5~253VAC Nominal Output Current 15.7A 27.0A ACINPUT AC Start-up Voltage /Auto Restart Voltage 20.280VAC or 170-280VAC Acceptable Input Voltage Range 90-280VAC or 170-280VAC Maximum ACInput Current 30A 40A Maximum AC Charging Current 100A GENERAL PHYSICAL Dimension,D×W×H(mm) 420*350*110 Carton Dimension,D×W×H(mm) 500*410*190 Net Weight(kgs) 18.5 19.5 Gross Weight(kgs) 18.5 19.5 INTERACE Communication Port RS232/WIFVGPRS/LITHIUM BATTERY ENVIRONMENT Humidity 5%to 95%Relative Humidity(Non~condensing) OperatingTemperature -10°C~50°C STANDARD	Start-up Voltage /Initial Feeding Voltage	90VDC/120VDC			
GRID OUTPUT(AC) Nominal DC Voltage 220/230/240VAC Output Voltage Range 195.5~253VAC Nominal Output Current 15.7A 27.0A ACINPUT AC Start-up Voltage /Auto Restart Voltage 120-140VAC/180VAC Acceptable Input Voltage Range 90-280VAC or 170-280VAC Maximum ACInput Current 30A 40A Maximum AC Charging Current 100A GENERAL PHYSICAL Dimension, D×W×H(mm) 420*350*110 Carton Dimension, D×W×H(mm) 500*410*190 Net Weight(kgs) 18.5 19.5 Gross Weight(kgs) 20.5 21.5 INTERACE Communication Port RS232/WIFVGPRS/LITHIUM BATTERY ENVIRONMENT Humidity 5%to 95%Relative Humidity(Non~condensing) OperatingTemperature -10°C~50°C STANDARD	MPPT Voltage Range	60~450VDC			
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GENERAL PHYSICAL Dimension,D×W×H(mm)		30A	40A		
PHYSICAL Dimension,D×W×H(mm)	Maximum AC Charging Current	100A			
Dimension,D×W×H(mm) 420*350*110 Carton Dimension,D×W×H(mm) 500*410*190 Net Weight(kgs) 18.5 19.5 Gross Weight(kgs) 20.5 21.5 INTERACE Communication Port RS232/WIFVGPRS/LITHIUM BATTERY ENVIRONMENT Humidity 5%to 95%Relative Humidity(Non~condensing) OperatingTemperature -10°C~50°C	GENERAL				
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INTERACE Communication Port RS232/WIFVGPRS/LITHIUM BATTERY ENVIRONMENT Humidity 5%to 95%Relative Humidity(Non~condensing) OperatingTemperature -10°C~50°C STANDARD		18.5	19.5		
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Humidity 5%to 95%Relative Humidity(Non~condensing) OperatingTemperature -10°C~50°C STANDARD	Communication Port	RS232/WIFVGPRS/LITHIUM BATTERY			
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STANDARD					
		-10°C~50°C			
0 " 0 ()	STANDARD		·		
Compliance Safety CE	Compliance Safety	CE			

Application

This solar inverter is ideal for residential and commercial solar energy systems, providing reliable power for homes, offices, and small industrial applications. It can be used in off-grid setups where solar energy is the primary power source, or in hybrid configurations with grid power. With built-in WiFi and GPRS connectivity, users can monitor the system through iOS and Android applications. The system is well-suited for areas with unstable electricity supply or where sustainable energy is prioritized, offering backup power solutions for both critical and non-critical loads. Its integrated design makes it perfect for installation in various settings, from rooftop solar arrays to remote locations.

Shipping Methods

Supports global air and sea shipping.







willa@fuhaosolar.com



fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou