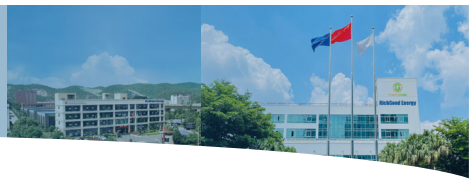
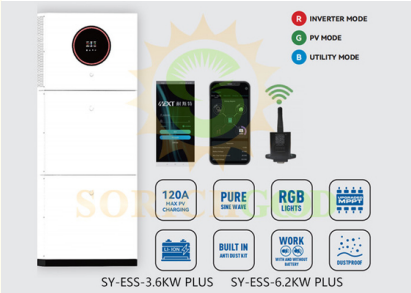


# Solar Inverter for Various Settings with Integrated Design and Backup Power Solutions

Our Product Introduction

## Basic Information

- Place of Origin: China
- Brand Name: CX
- Certification: CE
- Model Number: CXSES
- Minimum Order Quantity: 8 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T




## Product Specification

- Max PV Input Power: 6200W (for 3.6KW) / 6500W (for 6.2KW)
- Rated Output Power: 3600W (3.6KW) / 6200W (6.2KW)
- Input Voltage Range: 60~450VDC
- Output Waveform: Pure Sine Wave
- Max AC Input Current: 30A / 40A
- Max PV Charging Current: 120A
- Highlight: **6kw hybrid inverters**, **120a hybrid inverters**, **6kw mppt solar charge controller**

Our Product Introduction

for more products please visit us on fuhaosolar.com

## 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(for6.2KW)
- 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 Voltage | 360/500VDC | |
| 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 170-280VAC | |
| Frequency Range | 49~51±1Hz | |
| Maximum ACInput Current | 30A | 40A |
| PVINPUT(DC) | | |
| Nominal DC Voltage/Maximum DC Voltage | 360/500VDC | |
| 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 | | |
| PVINPUT(DC) | | |
| Nominal DC Voltage/Maximum DC Voltage | 360/500VDC | |

| | | |
|---|---|---|
| Start-up Voltage /Initial Feeding Voltage | 90VDC/120VDC | |
| 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 | 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℃~50℃ | |
| STANDARD | | |
| 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.

**RICHGOOD ENERGY CO.,LTD**

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