



30A 40A 50A 60A Solar Charge Controllers 6240W For Batteries

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CX
- Certification: CE
- Model Number: CXSECC
- Minimum Order Quantity: 6 pieces
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Rated Charge Current: 30A/40A/50A/60A
- System Voltage: 12V/24V/48V Auto
- MPPT Efficiency: 99%
- Maximum PV Input Power: Up To 6240W
- Working Temperature Range: -20°C To +55°C
- Communication Port: RS485/RJ45 (optional)
- Highlight: **30A Charge Controllers, 60A Charge Controllers, 40A mppt controller**

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Product Description

Flexible Customization with Our Solar Charge Controllers for Different Batteries

Product Description:

This solar charge controller is designed to regulate the power flow between solar panels and batteries, ensuring optimal charging and discharging operations. It is equipped with multi-stage charging modes such as MPPT (Maximum Power Point Tracking), Absorption, Float, and Equalization, which help to maintain efficient energy transfer. The device includes protection features like short-circuit, overcharging, and over-discharge protection, making it safe and reliable for various environments. Additionally, it supports lithium, GEL, SLD, and FLD battery types, allowing flexible customization for different energy storage systems.

| | | |
|--|------------------------------------|-----------|
| MODEL SY-ESSM-1.0KW PLUS-100AH SY-ESSM-1.5KWPLUS-100AH | | |
| Rated Power 1000W/1000VA 1500W/1500VA | | |
| AC INPUT | | |
| Voltage | 230VAC | |
| SelectableVoltage Range | 170~280VAC(For Personal Computers) | |
| | 90~280VAC(For Home Appliances) | |
| FrequencyRange | 50Hz/60Hz(Auto sensing) | |
| AC OUTPUT | | |
| AC Voltage Regulation | 230VAC±5% | |
| Surge Power | 2000VA 3000VA | |
| Efficiency(Peak)PVtoINV | 98% | |
| Efficiency(Peak)Battery to INV | 94% | |
| Transfer Time | 10ms | |
| BATTERY | | |
| Battery Voltage | 12VDC 24VDC | |
| Floating Charge Voltage | 13.5VDC 27VDC | |
| Overcharge Protection | 16VDC 32VDC | |
| SOLAR CHARGER &AC CARGER | | |
| Solar Charger Type | MPPT | |
| Maximum PVArray Power | 600W | 1200W |
| MPPT Range @Operating Voltage | 20~150VDC | 30~150VDC |
| Maximum PVArray Open Circuit Voltage solar | 150VDC | |
| Maximum Solar Charge Current | 40A | |
| Maximum AC Charge Current | 40A | |
| Maximum ChargingCurrent(Solar+AC) | 80A | |
| BATTERY | | |

| | | |
|--|---|-------|
| MODEL 12.8V100AH 25.6V100AH | | |
| Normal Charging Voltage | 14.2V | 29.2V |
| Maximum Charging Current | 50A | 100A |
| Discharge Termination Voltage | 9.2A | 20A |
| Recommended Discharge Termination Voltage | 10A | 22.4A |
| Maximum Discharge Current | 100A | 100A |
| Single Cell Charging Overvoltage Protection | 3.75A | 3.65V |
| Overvoltage Protection For The Whole Battery | 15A | 29.2V |
| Low Voltage Protection For Single Cell Discharge | 2.3V | 2.5V |
| Low Voltage Protection For Whole Group Discharge | 10V | 20V |
| Charge Overcurrent Protection | 180A | 110A |
| Discharge Overcurrent Protection | 90A | 110A |
| BMS Features | High accuracy cell level voltage,current measuring Over-charge,over-discharge protection Short-circuit protection Self-learning intelligent SOC calculation Cell levelactive equalization Multiple communication type Parallel connect function | |
| Working Temperature | -20℃~+65℃ | |
| Storage Temperature | 0℃~+65℃ | |
| PHYSICAL | | |
| Dimension,D×W×H(mm) | 238*561*143 | |
| Carton Dimension,D×W×H(mm) | 570*390*230 | |
| Net Weght(kgs) | 17.3 | 32.3 |
| Gross Weight(kgs) | 19.2 | 34.5 |
| ENVIRONMENT | | |
| Humidity | 5%to 95%Relative Humidity(Non~condensing) | |
| STANDARD | | |
| Compliance Safety | CE | |

Application:

This controller is ideal for residential and commercial solar systems that require intelligent power management. It is used in off-

grid solar energy setups, solar water pumping systems, streetlights, RVs, and boats, where consistent and efficient solar charging is needed. Its advanced MPPT algorithm ensures maximum power extraction from solar panels under all conditions.

Shipping Methods

Supports global air and sea shipping.



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