



## 140A 60-500V High Power Input MPPT Solar Charge Controllers

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: CX
- Certification: CE
- Model Number: CXM140A
- Minimum Order Quantity: 50 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



#### Product Specification

- Battery Voltage: 24VDC / 48VDC (based On The Model)
- Charging Current: 140A
- MPPT Range: 60~500VDC
- Maximum PV Array Power: 3600W (for 24V), 6500W (for 48V)
- Efficiency: Up To 98%
- Ingress Protection: IP21
- Highlight: **MPPT Charge Controllers,  
500V Charge Controllers,  
140A solar panel controller mppt**

## Product Description

### XMC-140 High Power Input MPPT Solar Charge Controllers for Various Applications

#### Product Description

The XMC-140 series is an advanced MPPT solar charge controller designed for efficient power management in photovoltaic systems. With built-in 140A MPPT solar chargers and an impressive maximum PV array power range of 3600W (for 24V model) to 6500W (for 48V model), it ensures optimal battery charging. The device is built with smart battery charge design to optimize battery life, an anti-dust kit for harsh environments, and a wide PV input voltage range of 60~500VDC. Additionally, the IP21 ingress protection ensures durability, and its design maximizes efficiency, reaching up to 98%.

Model XMC-140-24V XMC-140-48V		
BATTERY		
Battery Voltage	24VDC	48VDC
FloatingCharge Voltage	27VDC	54VDC
Overcharge Protection	31VDC	62VDC
ChargingCurrent	140A	
SOLAR CHARGER		
Solar Charger Type	MPPT	
Maximum PVArray Power	3600W	6500W
MPPT Range @Operating Voltage	60~450VDC	
Maximum PVArray Open Circuit Voltage	500V	
Number of MPPT Trakers/MaximumInput current	1/22A	
PHYSICAL		
Dimension,D*W*H(mm)	380×249×115	
Carton Dimension,D*W*H(mm)	435×310×180	
Net Weight(kgs)	5.8	
Gross Weight(kgs)	6.4	
OPERATING ENVIRONMENT		
Humidity	5%to95%Relative Humidity(Non~condensing)	
Operating Temperature	-10℃~50℃	
STANDARD		
Compliance Safety	CE	

#### Application

This controller is suitable for solar power systems requiring high charging currents and efficient energy management, such as residential, commercial, and off-grid solar systems. It can handle high power input, making it ideal for large solar installations. With its smart charging and built-in protections, it is perfect for ensuring long battery life in various environmental conditions, including dusty or harsh environments. The product also supports a wide battery voltage range, making it versatile for different solar configurations.

#### Shipping Methods

Supports global air and sea shipping.



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