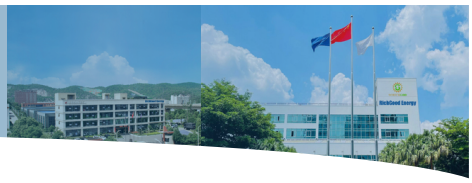

Real Time System Monitoring And Control For Battery Management Charge Controllers

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CX
- Certification: CE
- Model Number: CXMPCC
- Minimum Order Quantity: 4 Pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T

MPK2-5096--6096-8096-10096-1

Product Specification

- Rated Charge Current: 50A / 60A / 80A / 100A
- PV Maximum Input Power (48V): 2600W / 3120W / 4160W / 5200W
- System Voltage: 48V / 96V Auto
- Charging Efficiency: Up To 99% MPPT Accuracy, 96% Charging Efficiency
- Temperature Range: -20°C To +55°C
- Communication Mode: RS485/RJ45 Port (Optional)
- Highlight: **100A Charge Controllers**, **80A Charge Controllers**, **50A intelligent solar controller**

MPK2-5096--6096-8096-10096-2

Our Product Introduction

for more products please visit us on fuhaosolar.com

Product Description

Real-Time System Monitoring and Control for Battery Management Charge Controllers

Product Description:

This advanced solar charge controller is designed to maximize the efficiency of solar power systems by using MPPT technology to ensure optimal energy transfer from the panels to the battery storage. With its multi-stage charging mode (MPPT, Absorption, Float, Equalization), it supports GEL, SLD, FLD, and lithium battery customization, ensuring flexibility for various energy storage needs. The controller features a rugged AL alloy heat sink and forced air cooling system to maintain efficient thermal management, ensuring longevity in both hot and cold environments. A color LCD display with backlight and touch buttons enables users to monitor real-time system status easily. It also supports temperature compensation and RS485/RJ45 communication ports for advanced monitoring and integration.

Model MPK2-5096 MPK2-6096 MPK2-8096 MPK2-10096					
INPUT					
Maximum PVOpen Circuit Voltage		230V			
Minimum PVVoltage		80V/160V			
Rated Charge Current		50	60A	80A	100A
PVMaximum Input Power	48V	2600W	3120W	4160W	5200W
	96V	5200W	6240W	8320W	10400W
OUTPUT					
System Voltagea		48V/96V Auto			
Rated Discharge Current		30A	30A	40A	40A
Own Consumption		≤35mA			
MPPT Highest Accuracy		99%			
Maximum Charging Efficlency		96%			
Charging Control Mode		Multi-stage(MPPT,Absorption,Float,Equalization,CV)			
Float Charge		55.2V110.4V			
Absorption Charge		57.6V/115.2V			
Equalization Charge		584V/116.8V			
Load Disconnection(LVD)		43.2V/86.4V			
Load Connection(LVR)		50.4V/100.8V			
Load Control Mode		Normal,Light control,Light and timing control,Timing control,Reverse light control			
Light Control Point Voltage		20V/40V			
Battery Type		GEL,SLD,FLD and USER(default),Lithium batteries customization 3 series 3.7V,4 series 3.7V,4 series32V,5 series 3.2V			

OTHER		
Human Interface	Color LCD with backlight,3 buttons	
Cooling Mode	AL alloy heat sink and cooling fan	
Wiring	≤25 mm²/High current copper terminal≤25 mm²(3AWG)	
Temperature Probe	10K,line length 3 meters	
Communication Mode	RS485,RJ45 port	
WorkingTemperature Range	-20~+55℃	
Storage Temperature Range	-30~+80℃	
Humidity	10%-90%No condensation	
Note:Please operate at the ambient temperatureallowed by the controller f theambient temperature exceeds the allowable range of thecontroller,please derate it.		
PACKAGE		
Specification	50A-60A	80A-100A
Set/Carton	4Pcs	4Pcs
Weight/Carton	15.4Kg	21.6Kg
Measurement	550×350×345mm	590×425×365mm
Volume/Carton	0.05CBM	0.09CBM

Application:

Ideal for residential, commercial, and industrial solar power systems, this solar charge controller is perfect for users who need reliable and efficient battery management for off-grid and hybrid energy systems. The device is suitable for harsh environments, including remote solar installations, rural electrification projects, and larger scale energy storage systems that rely on high current charging and precise control of power flows between solar panels, batteries, and loads.

Shipping Methods

Supports global air and sea shipping.

RICHGOOD ENERGY CO.,LTD

willa@fuhaosolar.com fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou