

# Series MPK

## 系列

# MPPT



开路电压  
系统电压  
额定充电电流

Open circuit voltage  
System voltage  
Rated Charge Current

< 150V  
12V/24V/36V/48V  
30A-100A

## 功能介绍

Function introduction



MPPT



全面保护  
Protections



工作参数可调  
Parameters adjustable



LCD 彩显  
LCD Color display



按键操作  
Button mode



强制风冷散热  
Forced air cooling



温度补偿  
Temperature compensation

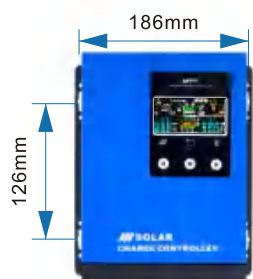


通讯端口(选配)  
RS485/RJ45 port  
(Optional)

# 产品规格

## Product specification

# MPPT

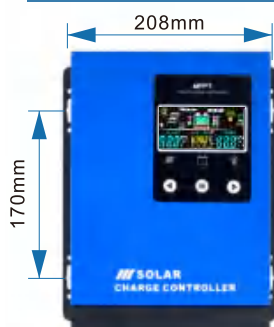


安装孔距— $\varnothing 5$   
Mounting hole Size



**MPK40**

额定电压	额定充电电流	产品尺寸	Rated Voltage	Rated Charge Current	Product size
12V/24V/36V/48V 自动识别	30A/40A	220×200×83 mm	12V/24V/36V/48V Auto	30A/40A	220×200×83 mm



安装孔距— $\varnothing 5$   
Mounting hole Size



**MPK60**

额定电压	额定充电电流	产品尺寸	Rated Voltage	Rated Charge Current	Product size
12V/24V/36V/48V 自动识别	50A/60A	265×220×88 mm	12V/24V/36V/48V Auto	50A/60A	265×220×88 mm



安装孔距— $\varnothing 5$   
Mounting hole Size



**MPK80  
MPK100**

额定电压	额定充电电流	产品尺寸	Rated Voltage	Rated Charge Current	Product size
12V/24V/36V/48V 自动识别	80A/100A	340×240×108 mm	12V/24V/36V/48V Auto	80A/100A	340×240×108 mm

# 包装信息

## Packaging information



### MPK40

基本参数/Specification	30A-40A
每箱数量/Set/Carton	8PCS
每箱重量/Weight/Carton	23Kg
包装尺寸/Measurement	590×480×300mm
外箱体积/Volume/Carton	0.08CBM



### MPK60

基本参数/Specification	50A-60A
每箱数量/Set/Carton	4PCS
每箱重量/Weight/Carton	15Kg
包装尺寸/Measurement	510×340×320mm
外箱体积/Volume/Carton	0.06CBM



### MPK80

基本参数/Specification	80A-100A
每箱数量/Set/Carton	4PCS
每箱重量/Weight/Carton	18.5Kg
包装尺寸/Measurement	565×435×375mm
外箱体积/Volume/Carton	0.09CBM



# 详细参数



## Product display

型号/Model	MPK40	MPK60	MPK80	MPK100
输入参数/Input				
最大输入电压/ Maximum PV open circuit voltage	在最低温度下150V,在标准温度 25°中138V 150V (at the lowest temperature) ,138V (at a standard temperature of 25°)			
最小光伏电压/Minimum PV voltage	20V/40V/60V/80V			
额定充电电流/Rated Charge Current	30A	40A	50A	60A
PV maximum input power 光伏板最大输入功率	12V	390W	520W	650W
	24V	780W	1040W	1300W
	36V	1170W	1560W	1950W
	48V	1560W	2080W	2600W
输出参数/Output				
系统电压/System voltage	12V/24V/36V/48V 自动识别/Auto			
额定放电电流 Rated Discharge Current	20A	30A	40A	50A
自损耗/Own consumption	≤35mA(48V)			
最高精度/MPPT highest accuracy	99%			
最大充电效率 Maximum charging efficiency	97%			
充电控制模式 Charging control mode	多阶段 (MPPT, 吸收, 浮动, 均衡, CV) Multi-stage(MPPT, Absorption, Float,Equalization,CV)			
浮充/Float charge	13.8V/27.6V/41.4V/55.2V			
吸收/Absorption charge	14.4V/28.8V/43.2V/57.6V			
均衡/Equalization charge	14.6V/29.2V/43.8V/58.4V			
欠压保护/Load disconnection (LVD)	10.8V/21.6V/32.4V/43.2V			
欠压恢复/Load reconnection (LVR)	12.6V/25.2V/37.8V/50.4V			
负载控制方式/Load control mode	正常时控、光控、光时控、定时控制、反向光控 Normal, light control, light and timing control, timing control, reverse light control			
光控点电压/Light control point voltage	5V/10V/15V/20V			
电池类型/Battery Type	胶体电池,铅酸免维护,铅酸液体和用户定义,锂电池 3串 3.7V, 4串 3.7V, 4串 3.2V, 5串 3.2V GEL, SLD,FLD and USER(default),Lithium batteries customization 3series 3.7V,4 series 3.7V,4series 3.2V,5series 3.2V			
其他参数/Other				
人机界面/Human interface	带背光的彩色 LCD, 3 个按钮/Color LCD with backlight, 3 buttons			
散热方式/Cooling mode	铝合金散热片及散热风扇/AL alloy heat sink and cooling fan			
接线/Wiring	大电流铜端子≤25 mm <sup>2</sup> /High current copper terminal≤25 mm <sup>2</sup> (3AWG)			
温度探头/Temperature probe	长度3米/line length 3 meters			
远程通讯方式/Communication mode	RS485,RJ45 port			
工作温度范围 Working temperature range	-20~+55°C			
储存环境温度 Storage temperature range	-30~+80°C			
湿度/Humidity	10%~90% 无凝露/No condensation			
注: 请在控制器允许的环境温度下操作。如果环境温度超过控制器的允许范围, 请降低温度 Note: Please operate at the ambient temperature allowed by the controller. If the ambient temperature exceeds the allowable range of the controller, please derate it				