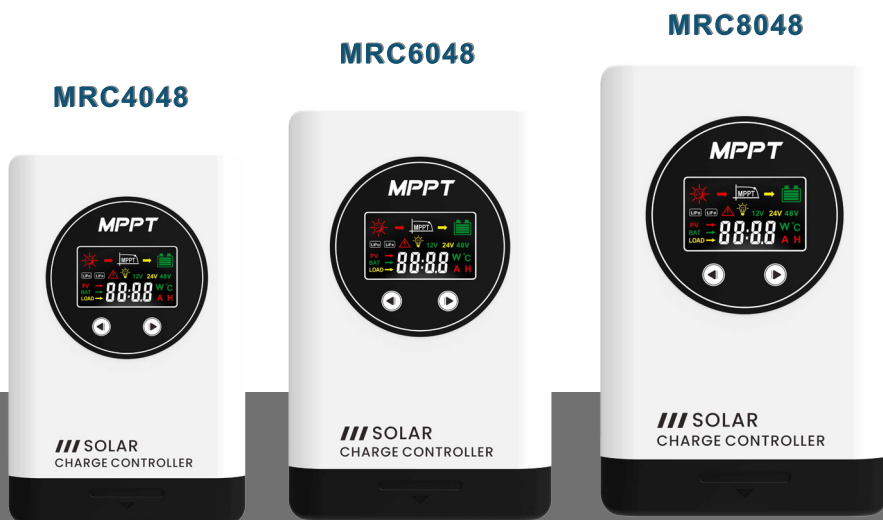


# 系列 MRC Series



**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



强制风冷散热  
Forced air cooling



按键操作  
Button mode



LCD彩显  
LCD Color display



温度补偿  
Temperature compensation



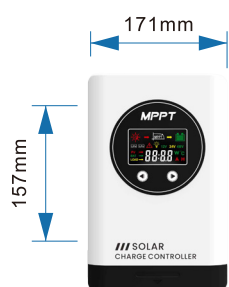
支持蓝牙通讯  
(内置选配)

Support Bluetooth  
communication  
(built in optional)

# 产品规格

## Product specification

# MPPT

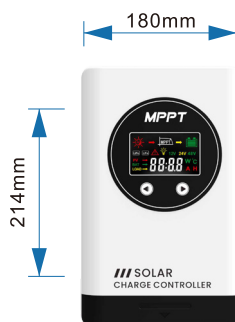


安装孔距— $\varnothing 5$   
Mounting hole Size



### MRC4048

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	240x181x80 mm	12V/24V/36V/48V Auto	30A/40A	240x181x80 mm

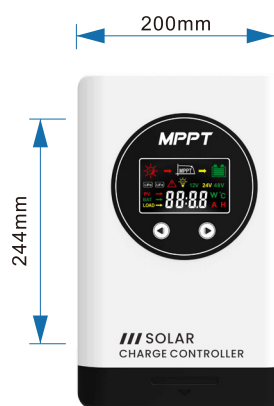


安装孔距— $\varnothing 5$   
Mounting hole Size



### MRC6048

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	265x192x110 mm	12V/24V/36V/48V Auto	50A/60A	265x192x110 mm



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



### MRC8048

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	294x212x120 mm	12V/24V/36V/48V Auto	80A/100A	294x212x120 mm

# 包装信息

## Packaging information



### MRC4048

基本参数/Specification	30A/40A
每箱数量/Set/Carton	12PCS
每箱重量/Weight/Carton	19.5Kg
包装尺寸/Measurement	590×430×390mm
外箱体积/Volume/Carton	0.1CBM



### MRC6048

基本参数/Specification	50A/60A
每箱数量/Set/Carton	6PCS
每箱重量/Weight/Carton	15Kg
包装尺寸/Measurement	495×445×330mm
外箱体积/Volume/Carton	0.07CBM



### MRC8048

基本参数/Specification	80A/100A
每箱数量/Set/Carton	6PCS
每箱重量/Weight/Carton	18Kg
包装尺寸/Measurement	510×485×355mm
外箱体积/Volume/Carton	0.08CBM



# 详细参数



## Product display

型号/Model	MRC40	MRC60	MRC80				
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	100A				
PV maximum input power 光伏板最大输入功率	12V	390W	520W	650W	780W	1040W	1300W
	24V	780W	1040W	1300W	1560W	2080W	2600W
	36V	1170W	1560W	1950W	2340W	3120W	3900W
	48V	1560W	2080W	2600W	3120W	4160W	5200W
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	40A			
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, 2 个按钮/Color LCD with backlight, 2 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						
通讯模式 Communication mode	Bluetooth optional 蓝牙选配						
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							

