

MPK2 系列 Series

产品简介

Product introduction

MPK2

太阳能充电控制器是多级最大功率点跟踪 (MPPT) 光伏电池充电控制器拥有自己的技术。与PWM控制器相比, MPPT可以提高控制精度太阳能电池板的输出功率提高5%-30%。

MPK2

The solar charge controller is a multi-level maximum power point tracking (MPPT) photovoltaic battery charge controller with its own technology. Compared with the PWM controller, the MPPT can improve the control accuracy and the output power of the solar panel can be increased by 5%-30%.



规格特点

Specification characteristics

MPPT



额定充电电压 Rated Charge Current	30A-100A
额定电压 Rated Voltage	12V/24V/36V/48V
系统电压 System voltage	150V

SOC

全面保护
Protections



参数可调
Parameters adjustable



电池类型可调
Battery type

通讯端口(选配)
RS485/RJ45 port
(Optional)



温度补偿
Temperature compensation



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详细参数 Product display

MPPT

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	80A	100A
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	15A	20A	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 ² /High current copper terminal ≤25 mm ² (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				

包装信息

Packaging information

MPK2-40			
产品尺寸 Product size	250 x 190 x 95mm	8PCS	每箱数量 Set/Carton
安装孔距 Mounting hole spacing	120mm-∅5	21.5Kg	每箱重量 Weight/Carton
净重/N.W	2.3Kg	580 x 480 x 295mm	外箱尺寸 Measurement
毛重/G.W	2.6Kg	0.07CBM	外箱体积 Volume/Carton

MPK2-60			
产品尺寸 Product size	280 x 210 x 100mm	4PCS	每箱数量 Set/Carton
安装孔距 Mounting hole spacing	140mm-∅5	17Kg	每箱重量 Weight/Carton
净重/N.W	3.5Kg	520 x 325 x 305mm	外箱尺寸 Measurement
毛重/G.W	4Kg	0.05CBM	外箱体积 Volume/Carton

MPK2-80			
产品尺寸 Product size	350 x 230 x 112mm	4PCS	每箱数量 Set/Carton
安装孔距 Mounting hole spacing	170mm-∅5	22Kg	每箱重量 Weight/Carton
净重/N.W	4.6Kg	560 x 410 x 335mm	外箱尺寸 Measurement
毛重/G.W	5.2Kg	0.08CBM	外箱体积 Volume/Carton