

**MPK2-80** 

**Series MPK2** 









**MPK2-60** 



Open circuit voltage System voltage Rated Charge Current <150V 12V/24V/36V/48V 30A-100A





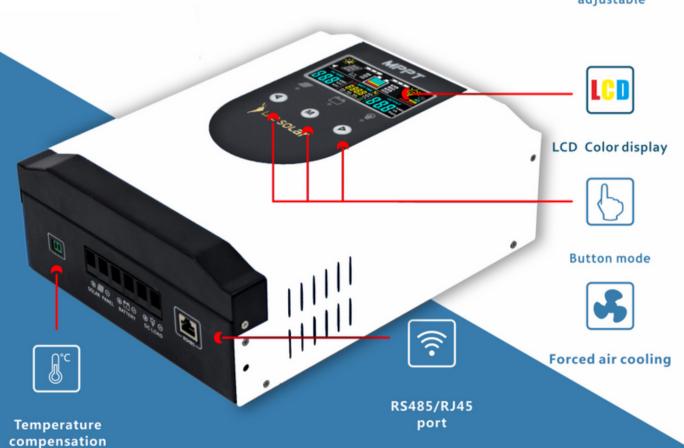




**MPPT** 

**Protections** 

Parameters adjustable





## **Product Specifications**









Mounting hole Size

Rated Voltage	Rated Charge Current	Product size
12V/24V/36V/48V Auto	30A/40A	248×190×94 mm





MPK2-60

MPK2-80

Mounting hole Size

Rated Voltage	Rated Charge Current	Product size
12V/24V/36V/48V Auto	50A/60A	278×210×99 mm





Mounting hole Size

Rated Voltage	Rated Charge Current	Product size
12V/24V/36V/48V Auto	80A/100A	352×230×112 mm





Model	Model		MPK2-40 MPK2-60			MPK2-80	MPK2-100	
		Inp		Input				
Maximum PV open circuit volta	ge	150V (at the lowest temperature) ,138V (at a standard tempe			nperature of 25°)			
Minimum PV voltage			20V/40V/60V/80V					
Rated Charge Current		30A	40A	50A	60A	80A	100A	
PV maximum input power	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	
						Output		
System voltage				12V/2	4V/36V/48\	//Auto		
Rated Discharge Current		20A		30	DA	40A	50A	
Own consumption				1	≤35mA(	48V)		
MPPT highest accuracy					99%	6		
Maximum charging efficiend	у	97%						
Charging control mode		Multi-stage(MPPT, Absorption, Float, Equalization, CV)				on,CV)		
Float charge		13.8V/27.6V/41.4V/55.2V						
Absorption charge				14	1.4V/28.8V/4	13.2V/57.6V		
Equalization charge				14	1.6V/29.2V/4	13.8V/58.4V		
Load disconnection (LVD)	)			10	).8V/21.6V/3	32.4V/43.2V		
Load reconnection (LVR)				12	2.6V/25.2V/3	37.8V/50.4V		
Load control mode		Normal, light control, light and timing control, timing control, reverse li				, reverse light cont		
Light control point voltag	e				5V/10V/1	5V/20V		
Battery Type		GEL, SLD,FLD and USER(default),Lithium batteries customization 3series 3.7V,4 series 3.7V,4series 3.2V,5series 3.2V						
						Other		
Human interface				Color LO	D with back	light, 3 buttons		
Cooling mode				AL allo	y heat sink a	nd cooling fan		
Wiring	Wiring		High current copper terminal≤25 mm² (3AWG)				G)	
Temperature probe		line length 3 meters						
Communication mode		RS485,RJ45 port						
Working temperature rang	e	-20~+55°C						
Storage temperature range	)	-30~+80°C						
Humidity		10%~90% No condensation						

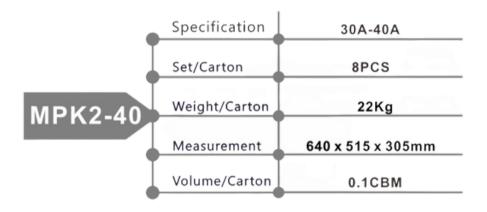
Note: Please operate at the ambient temperature allowed by the controller. If the ambient temperature exceeds the allowable range of the controller, please derate it



## **Packaging Information**









	Specification	50A-60A
MPK2-60	Set/Carton	4PCS
	Weight/Carton	15.8Kg
	Measurement	550 x 350 x 345mm
	Volume/Carton	0.07CBM



	Specification	80A-100A
MPK2-80	Set/Carton	4PCS
	Weight/Carton	22Kg
	Measurement	590 x 425 x 365mm
	Volume/Carton	0.09CBM

