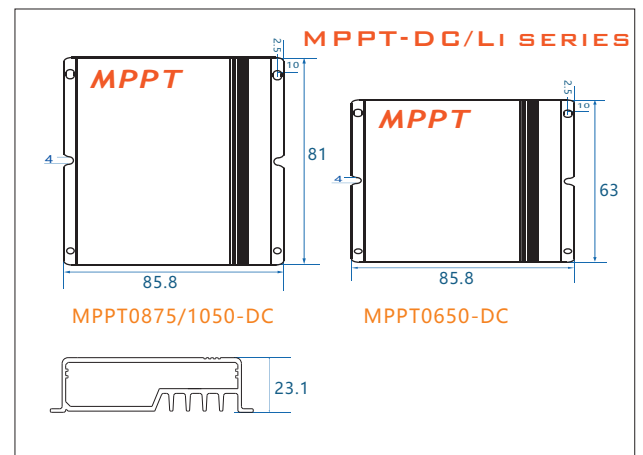
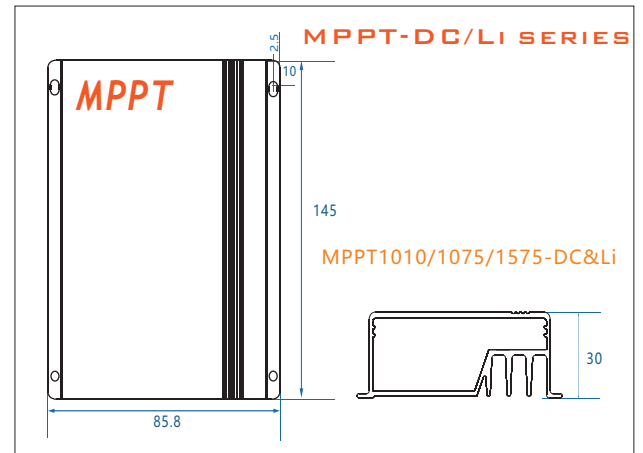


## MPPT-DC&Li series

MPPT Solar charge controller

6/8/10/15A



### MPPT , Boost ,With LED driver built-in, 5 stages , Dimming, IP67, Infrared

- Innovative Max Power Point Tracking(MPPT) technology, tracking efficiency >99%
- Full digital technology, high charge conversion efficiency up to 97%, discharge conversion efficiency up to 96%.
- Can output adjustably constant current, precision: 50mA, minimum current: 100mA
- 5 stages time and dimming can be adjusted, dimming 0~100%
- Can read parameters and running status
- If battery voltage is low, it can be set to dimming automatically
- Dimming start voltage and dimming percentage can be set
- 12V/24V system voltage automatic recognition
- Liquid and GEL battery for selection
- External temperature sensor
- Four stages charge way: MPPT, boost, equalization, float
- Day/Night threshold can be adjusted
- Remote Unit to configure, with LCD display
- IP67, Strong and durable aluminum case
- Full automatic electronic protect function

## MPPT-DC&Li series

MPPT Solar charge controller

6/8/10A

### Datasheet

	Item	MPPT0650-DC	MPPT1050-DC	MPPT0875-DC
Battery Parameters	Max Charging Current	6A	10A	8A
	System voltage	12V		
	MPPT Charging Voltage	< 14.5V(25°C)		
	Boost voltage	14.5V(25°C)		
	Equal voltage	14.8V(25°C)		
	Float voltage	13.7V(25°C)		
	Temp. Compensation	-4.17mV/K per cell (Boost,Equal) , -3.33mV/K per cell (Float)		
	Low voltage disconnect	10.8~11.8V(Programmable)		
	Low voltage reconnect	11.4~12.8V(Programmable)		
	Battery Type	AGM,Liquid, GEL(Programmable)		
Max volt on Bat. Terminal	25V			
Panel Parameters	Max volt on PV terminal	45V		60V
	Max input power	80W	130W	100W
	MPPT tracking range	( Vb+1.0V ) ~Voc*0.9		
	Dusk/Dawn detect volt.	3.0~8.0V (Programmable)		
	Day/Night delay time	0~30min(Programmable)		
Load Parameters	Output Current	0.15~3.0A(Programmable)		
	Output Voltage	20 ~ 45V		20 ~ 58V
	Output power	1~50W	1~60W	
	Min power	0.3W(Dimming)		
	Current precision	±2%		
	Dimming	0~100%(Programmable)		
	Auto dimming	Yes/No(Programmable)		
	Voltage of start dimming	11.8~12.5V(Programmable)		
Dimming percentage	1~20%(Programmable)			
System Parameters	Max tracking efficiency	>99.9%		
	Max charge conversion	96.0%		
	Max LED driver efficiency	95.5%		
	Self consumption	5mA		
	Dimensions	85.8 x 63 x 23.1mm	85.8 x 81 x 23.1mm	
	Weight	230g	280g	
	Ambient temperature	-35~+60°C		
	Ambient humidity	0~100%RH		
	Protection degree	IP67		
Max Altitude	4000m			

# MPPT-DC&Li series

MPPT Solar charge controller

10/15A

## Datasheet

		MPPT1010-DC	MPPT1075-DC	MPPT1575-DC
Battery Parameters	System voltage	12V/24V automatical recognition		
	Max charging current	10A		15A
	MPPT charging voltage	< 14.5/29.0V@25°C		
	Boost voltage	14.5/29.0V @25°C		
	Equal voltage	14.8/29.6V @25°C ( Liquid )		
	Float voltage	13.7/27.4V @25°C		
	Low voltage disconnect	10.8~11.8V/21.6~23.6V ; SOC1~5 (Programmable)		
	Low voltage reconnect	11.4~12.8V/22.8~25.6V(Programmable)		
	Over charge protect	15.5/31.0V		
	Max battery voltage	40V	35V	
	Temp compensation	-4.17mV/K per cell (Boost , Equal) , -3.33mV/K per cell (Float)		
	Battery type	AGM,Liquid,GEL(Programmable)		
Panel Parameters	Max solar voltage	90V	55V	
	Max input power	130W/260W		200W/400W
	Day/Night threshold	3.0~20.0V(Programmable)		
	Day/Night delay time	0~30min(Programmable)		
	MPPT tracking range	( Vb+1.0V ) ~Voc*0.9 *		
Load Parameters	Output power	10~60W/20~120W		10~90W/20~180W
	Output voltage	20~55V/30~55V		
	Output current	0.15~4.0A(Programmable)		
	Current precision	±2%		
	Dimming	Yes,No,365		
	Voltage of start dimming	11.8~12.5V/23.6~25.0V(Programmable)		
Dimming percentage	1~20%(Programmable)			
System Parameters	Max tracking efficiency	>99.9%		
	Max charge conversion	97.0%		
	Max LED driver efficiency	96.0%		
	Self consumption	6mA		
	Dimensions/Weight	85.8*145*30mm/600g		
	Ambient temperature	-35~+60°C		
	Ambient humidity	0~100%RH		
	Protection degree	IP67		
Max altitude	4000m			

\*Vb means the battery voltage. Voc means the open circuit voltage of the solar panel.

# MPPT-DC&Li series

MPPT Solar charge controller

6/8/10A

## Datasheet

		MPPT0650-DCLi	MPPT0875-DCLi	MPPT1050-DCLi
Battery Parameters	Max charging current	6A	8A	10A
	MPPT charging voltage	< Charging voltage target		
	Charging voltage target	10.0~17.0V(Programmable)		
	Charging voltage recovery	9.2~16.8V(Programmable)		
	Low voltage disconnect	9.0~15.0V(Programmable)		
	Low voltage reconnect	9.6~16.0V(Programmable)		
	Max battery voltage	25V		
	Battery type	Lithium		
Panel Parameters	Max solar voltage	45V	60V	45V
	Max input power	70W~90W	100W~120W	120W~150W
	Day/Night threshold	3.0~8.0V (Programmable)		
	MPPT tracking range	( Vb+1.0V ) ~ Voc*0.9 *1		
Load Parameters	Output power	1~50W	1~60W	
	Output voltage	20~45V	20~58V	20~45V
	Output current	0.15~3.0A(Programmable)		
	Min current	0.3W(Dimming)		
	Current precision	±2%		
	Dimming	Yes,No,365		
	Voltage of start dimming	10.0~Charging voltage target(Programmable)		
Dimming percentage	1~20%(Programmable)			
System Parameters	Max tracking efficiency	>99.9%		
	Max charge conversion	96.0%		
	Max LED driver efficiency	95.5%		
	Self consumption	5mA		
	Dimensions/Weight	85.8*63*23.1mm/230g	85.8*81*23.1mm/280g	
	Ambient temperature	-35~+60°C		
	Ambient humidity	0~100%RH		
	Protection degree	IP67		
Max altitude	4000m			

\*1.Vb means the battery voltage. Voc means the open circuit voltage of the solar panel.

# MPPT-DC&Li series

MPPT Solar charge controller

10/15A

## Datasheet

		MPPT1010-DCLi	MPPT1075-DCLi	MPPT1575-DCLi
Battery Parameters	Max charging current	10A		15A
	MPPT charging voltage	< Charging voltage target		
	Charging voltage target	10.0~32.0V(Programmable)		
	Charging voltage recovery	9.2~31.8V(Programmable)		
	Low voltage disconnect	9.0~30.0V(Programmable)		
	Low voltage reconnect	9.6~31.0V(Programmable)		
	Max battery voltage	40V	35V	
	Battery type	Lithium		
Panel Parameters	Max solar voltage	90V	55V	
	Max input power	33W*#(3~8)		50W*#(3~8) *1
	Day/Night threshold	3.0~20.0V (Programmable)		
	MPPT tracking range	( Vb+1.0V ) ~ Voc*0.9 *2		
Load Parameters	Output power	5~(15W*#(4~8))	*3	
	Output voltage	(Vb+2V) ~55V		
	Output current	0.15~4.0A(Programmable)		
	Min current	100mA(Dimming)		
	Current precision	±2%		
	Dimming	0~100%(Programmable)		
	Dimming percentage	10.0~Charging voltage target(Programmable)		
System Parameters	Max tracking efficiency	>99.9%		
	Max charge conversion	97.0%		
	Max LED driver efficiency	96.0%		
	Self consumption	6mA		
	Dimensions/Weight	85.8*145*30mm/600g		
	Ambient temperature	-35~+60°C		
	Ambient humidity	0~100%RH		
	Protection degree	Ip67		
Max altitude	4000m			

\*1.#(3~5)/#(3~8)means the number of Li battery series.

\*2.Vb means the battery voltage. Voc means the open circuit voltage of the solar panel.

\*3.Output power range: 5~60W(3/4 series), 5~75W(5 series), ..... ,5~120W(8 series)