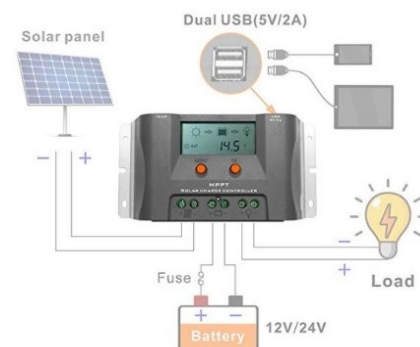


10A MPPT Charge Controller with Display

Specification:

- > MPPT, LCD display, USB, 12V system voltage
- > Innovative MPPT technology, tracking efficiency 99.9%, conversion efficiency up to 97,5%
- > Real-time display the operational data and working status of the controller in digital, graphic and textual forms by a large LCD
- > AGM, Gel, Liquid, Lithium battery to choose
- > Two navigation buttons, easy to implement various operations
- > Temperature compensation, Perfect EMC design
- > Four stage charge way: MPPT, boost, equalization, float
- > Full automatic electronic protect function
- > LED fault indicators and an LCD screen which can display abnormality information help users to quickly identify system faults.
- > Historical data storage function



Specification:

P10LM00		
Battery Parameters:	System voltage	12V
	Max charging current	10A
	MPPT charging voltage	<14.5V@25°C
	Boost voltage	14.5V@25°C
	Equal voltage	14.8V@25°C (Liquid, AGM)
	Float voltage	13.7@25°C
	Low voltage disconnect	10.8~11.8V, SOC1~5 (default:11.2V)
	Low voltage reconnect	11.6~12.8V
	Over charge protect	15.5V
	Max battery voltage	20V
	Temp copensation	-4.17mV/K per cell(Boost,Equal),-3.33mV/K per cell (Float)
Panel Parameters:	Max solar voltage	45V
	Max input power	130W
	Day/Night threshold	8.0V
	MPPT tracking range	(Battery Voltage+1.0V)~Voc*0.9*
Load:	Output current	10A
	USB interface	5V, 2A
	Work mode	Always on, Street lamp, User-defind Mode
System Parameters:	Max tracking efficiency	>99.9%
	Max charge conversion	97.5%
	Dimensions(mm)	188x96x53
	Weight	440g
	Self consumption	0,2W
	Ambient temperature	-20~+55°C
	Storage temperature	-25~+80°C
	Ambient humidity	0~100%RH
	Protection degree	IP32
Max altitude	4000m	