

8, Technical Data

	Model	15A / 35V MPPT
Battery Parameters	System Voltage	12V
	Max Charging Current	15A
	MPPT Charging Voltage	before boost or equalization charging stage
	Boost Voltage	14.5V @25°C
	Equalization Voltage	14.8V @25°C (Liquid ,AGM)
	Float Voltage	13.7V @25°C
	Low Volt. Disconnect	10.8V-11.8V SOC1~5 (default:11.2V)
	Overcharge Protect	15.5V
	Temp. Compensation	-4.17mV/K per cell (Boost, Equalization)□ -3.33mV/K per cell (Float)
	Charging target voltage	10.0V - 17.0V (Programmable, default: 14.4V)
	Low voltage disconnect	9.0V - 15.0V (Programmable, default: 10.6V)
	Battery Type	Gel, AGM, Liquid, Lithium (default: Gel)
	Max volt on Bat. termina	20V
Panel Parameters	Max volt on PV terminal	35V
	Max input power	200W
	Day/Night threshold	8.0V
	MPPT tracking range	(Battery Voltage + 1.0V) ~Voc*0.9
Load	Output Current	10A
	USB interface	5V, 2A
	Load mode	Always on, Street lamp, User-defined Mode
System Parameters	Max tracking efficiency	>99.9%
	Max charge conversion	97.5%
	Dimensions	189 * 96 * 53mm
	Weight	420g
	Self consumption	0.2W
	Grounding	Common Negative
	Power terminals	8AWG(10mm ²)
	Ambient temperature	-20 ~ +55°C
	Storage temperature	-25 ~ +80°C
	Ambient humidity	0 ~ 100%RH
	Protection degree	Ip32
Max Altitude	4000m	

*1. Maximum solar panel voltage at minimum ambient operating temperature.

*2. Voc: PV-Module open circuit voltage.