



MPPT Solar Charge Controller

100% Tracking With No Limit / Quick Plug Design

MPPT Plug & Play Series

M1210P

Product Features

- 100% MPPT charge with no tracking limit.
- LCD screen + LED indicators for displaying.
- Small size for portable use.
- Quick plug design, plug & play.
- Suitable for small size solar portable charge systems.
- Customizing cables and connectors acceptable.
- Multiple battery charge protections.



CE RoHS

Full-range protection



Battery Protection



100% MPPT



LCD Screen

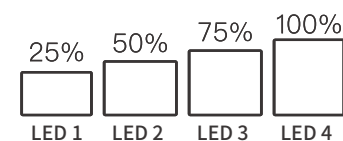


Reverse Polarity Protection



Quick & Plug

Battery SOC Indication



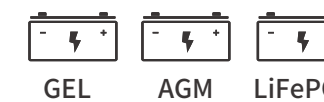
SOC	25%	50%	75%	100%
Bat Volt	11.6V	12.1V	12.6V	13.2V

● Float Flashing ● Steady On

SOC	Charging State	LED1	LED2	LED3	LED4
<25%	Charging	●	◐	◑	◒
	Idle	●			
<50%	Charging	●	●	◐	◑
	Idle	●	●		
<75%	Charging	●	●	●	◐
	Idle	●	●	●	
>75%	Charging	●	●	●	◐
	Idle	●	●	●	●

Battery Type Indication

System Mode		Description
View Mode	●	The current battery type is selected
Set Mode	◐	



Abbreviations	Battery Types
GEL	GEL Battery
AGM	AGM Battery
LiFePO ₄	Lithium Iron Phosphate Battery

Equalize Charge Volt. (7 days cycle)	GEL	—
	AGM	14.6V
	LiFePO ₄	—
Boost Charge Volt.	GEL	14.2V
	AGM	14.4V
	LiFePO ₄	14.4V
Float Charge Volt.	GEL	13.8V
	AGM	13.8V
	LiFePO ₄	—

Parameter	Value
No-load Loss	20mA
Battery System Voltage	12V Only
Max Solar Input Voltage	<30Voc
Rated Solar Charge Current	10A
Max Solar Input Power	150W
Operating Temperature	-35°C~+45°C
IP Protection	IP45
Net Weight	145g
Operating Altitude	≤3000m
Controller Dimension(mm)	96.4*61.6*27