

MPPT Series

SLC-MPPT1024/SLC-MPPT2024

- Maximum power point tracking
- Overcharge protection
- Over discharge protection
- Battery Reverse Current Protection
- Overloading Protection
- Short Circuit Protection
- Reverse Polarity Connection Protection



The Solarland MPPT series controller detects the optimum operating voltage and amperage of the solar array to match the battery bank. The result can increase the charging efficiency of the solar panel by up to 30% versus PWM charge. 12/24V Selectable, available in 10A & 20A.

ITEM	SLC-MPPT1024	SLC-MPPT2024
Input Voltage	≤70V	≤70V
Voltage Range	12V~70V(12V) 24V~70V(24V)	12V~70V(12V) 24V~70V(24V)
Input Loads	1 load	1 load
Rated Voltage	12V/24V	12V/24V
Rated Charge Current	10A	20A
Rated Discharge Current	10A	20A
Self-consumption	≤15mA	≤15mA
Charging Mode	3-stage(Bulk/Absorption)/Float	3-stage(Bulk/Absorption)/Float
Over Voltage Protection	16V/32V	16V/32V
Float Voltage	13.8V/27.6V	13.8V/27.6V
Absorbing Charging Voltage	14.4V/28.8V	14.4V/28.8V
Low Voltage Protection(LVD)	11.5V/23.0V	11.5V/23.0V
Low Voltage Reconnection(LVR)	12.6V/25.2V	12.6V/25.2V
Temperature Compensation	-4mV/Cell/°C	-4mV/Cell/°C
The Highest Efficiency	97%	97%
Cooling Way	passive cooling	passive cooling
Made of Connection	port	port
Operating Temperature	-10°C~+50°C	-10°C~+50°C
Storage Temperature	-30°C~+80°C	-30°C~+80°C
Humidity Requirements	0~90%,no condensation	0~90%,no condensation
Dimension(L×W×H)	188×92.5×55.3mm	188×118.5×54.5mm
Weight	0.46kg	0.8kg



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