

Solar Controller Introduction



Specification

Model	SLCL1/ (12/24V)
Total charging electric current	10A
Total load current	10A
System Voltage	□12V; □24V/12V AUTO; □48V
Overload and protection of short circuit	1.25 times rated current 60 seconds. 1.5 times rated current 5 seconds overload protection
Open circuit loss	≤2.8 mA
Charging loop pressure drop	≤0.26V
Discharge circuit pressure drop	≤0.15V
Overpressure protection	9.5V, ×2/24V,X4/48V
Working temperature	Industrial grade: -35°C to +55°C
Ascension recharging voltage	8.4V, ×2/24V,X4/48V (Hold time: 55min)
Straight charge voltage	8.4V, ×2/24V,X4/48V; (Hold time: 55min)
Boosting	8.4V, ×2/24V,X4/48V

Charging to return to voltage	8.4v, ×2/24V,X4/48V
Temperature compensation	-4.5mv/°C/2V
Owe pressure voltage	6V, ×2/24V,X4/48V
Discharge voltage	5.5 V discharge rate compensate the initial discharge voltage (no-load voltage)

Common fault phenomena and correct method

fault phenomena	Correct method
When sunlight shoot at Photocell, green indicate lights (1) not bright;	Please check whether the connection of both end of battery is correct and reliable
Charge indicator light flash quickly	Over voltage, storage battery open circuit, Please check whether the connection of both end of battery is correct and reliable
Load indicator light (3) bright, but no output	Please check whether the electricity appliance connected correctly, reliable;
Load indicator light (3) flash quickly and no output;	Output is short circuit, please check the output circuit, remove all load, click the on/off button , after 30 seconds the controller resume normal output
Load indicator light (3) flash slowly and no output	Bearing power over rated capacity, please reduce electric equipment, and press on/off button, after 30 seconds Controller recover output
Status indicator light (2) red, and without output;	Storage battery over discharge, failback after charge enough power

Factory Photo

