

STC-LED-V2.0

Street light controller with build-in LED driver

Datasheet

Description of Functions

1. The charge controller adjusts itself automatically to 12V or 24V system voltage
2. LED Power: 12V system:Max.30W, 24V system: Max.60W
3. Build-in LED driver, Efficiency>95%
4. 4 periods work mode. Any adjustable power can be 10-90%.
5. Digital display, simple operation
6. Infrared remote control
7. Low voltage disconnect regulated by state of charge or voltage.
8. Complete electronic protection,it protects the battery from being overcharge by the solar array and from being deep discharged by the loads. It can automatic adaptation to the ambient temperature.
9. PCB board using moistureproof processing.



parameter

model	STC10-LED-V2.0	STC20-LED-V2.0
rated charge current	10A	20A
system voltage	12V/24V Automatic detection	
Max. pv power	12V: Max. 170W / 24V: Max. 340W	12V: Max. 340W / 24V: Max. 680W
Max. load power	12V: Max. 30W / 24V: Max. 60W	12V: Max. 50W / 24V: Max. 100W
Rated load current	2A	
Max. LED series:	12V system: 14 series.	24V system: 14series.
over load, short current protect	yes	
no-load current	≤6 mA	
over-voltage protection	16V(12V), 32V/24V;	
work temperature:	-35℃至+60℃	
boost voltage	14.4V(12V), 28.8/(24V)	
Equalization voltage	14.6V(12V), 29.2V/(24V)	
Float voltage	13.8V(12V), 27.6V/(24V)	
recharge voltage	13.2V(12V); 26.4/(24V);	
Temperature compensation	-5mv/℃/2V	
low-voltage warning	12V(12V); 24V/(24V)	
Low-voltage disconnect	11V(12V); 22/24V; (可设置)	
load reconnect voltage	12.6V(12V), 25.2/(24V)	
over-heat protection	70℃	
dimension	104*28*85mm	
weight	400g	
IP	Ip68	
remote controller	Infrared remote controller (optional)	