SOLAR STREETLIGHT CONTROLLER

Solar streetlight controller is basically a charge controller, which is used to control charging and duty cycle of solar streetlights. This micro controller based product features most advanced techniques for battery charging and load control. The street light controller is available in different working voltages and currents as per customer requirements.

Solar streetlight controller is suitable to use with "SSLL-01", solar street lighting luminary without integrated charge controllers.

FEATURES

- Micro controller based design
- Excellent charging algorithm
- Temperature compensated set points
- Adequate protections
- Wide operating temperature range
- Made of engineering plastic

TECHNICAL SPECIFICATIONS

	SLC-M0606A	SLC-M0606B
General		
Application	Solar street lighting	
Operating temperature	-0°C to 70°C	
Charge controller type	Two step charging algorithm	
Battery temperature compensation	-4mV to -5mV/°C/cell	
SPV size (Max)	90Wp	
Charging indication	Provided	
Low battery indication	Provided	
Battery Full charge indication	Provided	

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Electrical		
Battery type	Tubular	
Nominal system voltage	12V DC	
Charging current	6A	
Load current	6A	
Charge Controller efficiency	>95%	
Idle consumption	<10mA	
battery Warning Voltage	11.30V±0.15V	11.45V±0.15V
Low battery Load Cut off Voltage	11.15V±0.15V	11.30V±0.15V
Load reconnect voltage	12.55V±0.15V	12.70V±0.15V
Gassing voltage	14.80V±0.15V	14.50V±0.15V
Floating voltage	13.70V±0.15V	13.50V±0.15V
Module reverse current flow	Nil	
Reverse battery protection	Provided	
Overload protection	Provided	
Mechanical		
Fixing	Wall mounting with screws	
Case	Injection Moulded Engineering Plastic	
Connectors	Heavy duty terminal connectors	
Size (Shipping) (mm)	110x130x50	
Weight (Shipping)	202gm	

Note: Specifications subject to change without notice. Check for latest update

ORDERING INFORMATION

Streetlight controller	
Model	Description
SLC-M0606A	For Flooded Tubular Battery
SLC-M0606B	For VRLA (SMF) Battery

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