

Specification Of Solar Street Light Controller

General		
Application	Solar powered street lightings for rural areas	
Use	Controlling solar street light	
Operating Temperature	-0°C to 70°C	
Storage Temperature	-10°C to 85°C	
Charge controller type	Series, Two step charging algorithm	
Battery temperature compensation	-4mV to -5mV/°C/cell	-3mV to -5mV/°C/cell
Solar panel size (Max)	90Wp	150Wp/300Wp
Electrical		
Battery Type	Flooded Tubular / VRLA (SMF)	
Nominal system voltage	12V DC	12V/24V DC (Auto)
Charging current	6A	10A
Load current	6A	10A
Charge controller efficiency	>95%	
Idle consumption	<10mA	
Low battery warning voltage @ 25°C	11.30V ± 0.2V / 11.45V ± 0.2V	
Low battery Load Cut off Voltage @ 25°C	11.15V ± 0.2V / 11.30V ± 0.2V	
Load reconnect voltage @ 25°C	12.55V ± 0.2V / 12.70V ± 0.2V	
Gassing Voltage @ 25°C	14.80V ± 0.2V / 14.50V ± 0.2V	
Floating voltage @ 25°C	13.70V ± 0.2V / 13.50 ± 0.2V	
Charging indication	Provided	
Low battery indication	Provided	
Battery Full charge indication	Provided	
Module reverse current flow protection	Provided	
Reverse Battery protection	Provided	
Overload protection	Provided	
Mechanical		
Fixing	Wall mounting with screws	
Case	Injection Moulded Engineering Plastic	
Connectors	Heavy duty terminal connectors	
Colour (case)	Gray	
Size (Un packed) (LxWxD)(mm)	107x125x40	
Weight (Un packed)	175gm	200gm
Size (Shipping)	110x130x50	
Weight (Shipping)	205gm	230gm
Options (To be mentioned while placing orders)		
Battery selection	VRLA (SMF) and Tubular Lead Acid Battery	
Colour of case	As per customer requirement for order quantities more than 1000 Nos	
Printing on case	As per customer requirement for order quantities more than 1000 Nos	
Ordering Information		
For Flooded Tubular Battery	SLC-M0606A	SLC-U1010A
For VRLA (SMF) Battery	SLC-M0606B	SLC-U1010B

Note: The Given battery set points is for 12V system. For 24V system it will be twice that for 12V system

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