

Solar Home Lighting System SHLS-L3



- **Maximum Power Point Tracking Technology (MPPT)**
- **Maintains CC - CV**
- **Peak efficiency 95%**
- **Reverse polarity protection**
- **Battery monitoring system**
- **SOC- and -voltage -control LVD**
- **Over charge and discharge protection**
- **Load short circuit protection / Overload protection**
- **Lighting protection**
- **Compact in size**
- **USB output to charge mobile, MP3, and Etc.**

Model	SHLS-L3
Charging type	Maximum Power Point Tracking (MPPT)
Panel power	5Wp
Maximum panel voltage [VOC]	21V (Over voltage protection by varistor)
Battery Type	Lithium-ion
Battery Capacity	7.4V / 2600mAh
Battery Protection	Active HVD and LVD , Inbuilt BMS circuit
High Voltage Protection	8.4V \pm 0.05V
Low Voltage Protection	6.4V \pm 0.05V
Efficiency	>95% peak
Max Charging current	600mA
Max Discharging current	1300mA
DC load nominal Voltage	6-12 V
Electronic Protection	PV Reverse polarity, Reverse current flow at night, Surge Transient, Load short circuit, over current, High and Low voltage protection at battery side.
LED Indications	Green : Solar Yellow : Battery SOC Red : Fault indication
Ambient Temperature	0°C to +50°C while charging ; -20°C to +50°C while dis-charging
Protection	IP 22
USB connector	USB Type A 5.5 V 500mA
Load	DC jack 6.5mm – 3 output terminals
Weight in Kg	2.57 Kg
Dimension (L X W X H) mm	350 x 250 x 115
Accessories	Panel with cable – 1 No, DC LED Lamp 1W – 3 Nos, E-27 Lamp holder assembly with switch – 3 No's and mobile charging connector – 1 No.

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