

Solar Home Lighting System SHLS-L2



- Maximum Power Point Tracking Technology (MPPT)
- Maintains CC - CV
- Peak Efficiency >95%
- Battery status through LED's
- SOC and Voltage - Controlled LVD
- Over charge and discharge protection
- Load short circuit / Overload protection
- Compact size
- USB output to charge Mobile, MP3 player, and etc.
- Eco - friendly
- 1Watt high-power luminaire.

Phocos offers Solar Home Lighting System equipped with a number of outstanding features like LED indications, battery status and protection functions. Micro Controller based Maximum Power Point Tracking technology which

increases the charging efficiency. It's an eco friendly power backup system. The output of this system can drive Phocos DC LED lamps and Mobile Charging unit.

Model	SHLS-L2
Charging Type	Maximum Power Point Tracking Technology (MPPT)
Solar Input Power	5Wp
Maximum Panel Voltage [VOC]	21V (Over voltage protection by varistor)
Battery Type	Li-ion
Battery Capacity	7.4V / 2200mAh
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
Max Charging current	450mA
Max Discharging current	1000mA
Electronic Protection	PV Reverse polarity, Reverse current flow at night, Surge & Transient protection, Load short circuit, Over current, High and Low voltage protection at battery side, Battery short circuit.
LED Indications	Green: Solar ; Yellow: Battery SOC; Red: Fault indication
Ambient Temperature	0°C to +50 °C while charging; -20°C to +55 °C while discharging
Type of Protection	IP 22
Efficiency	>95% peak
Load	DC jack 6.5mm, 3 output terminals
Mobile Charging	USB type A, 5.5V, 500mA
Weight	2.34 Kg
Dimensions (L X W X H)	350 x 250 x 115 mm
Accessories	Panel with cable - 1No; DC LED Lamp 1W - 2 No's; E-27 Lamp holder assembly with switch - 2 No's and Mobile charging connector - 1No.

Solar Home Lighting System SHLS-L3



- Maximum Power Point Tracking Technology (MPPT)
- Maintains CC - CV
- Peak Efficiency >95%
- Battery status through LED's
- SOC and Voltage - Controlled LVD
- Over charge and discharge protection
- Load short circuit / Overload protection
- Compact size
- USB output to charge Mobile, MP3 player, and etc.
- Eco - friendly
- 1Watt high-power luminaire.

Phocos offers Solar Home Lighting System equipped with a number of outstanding features like LED indications, battery status and protection functions. Micro Controller based Maximum Power Point Tracking technology which

increases the charging efficiency. It's an eco friendly power backup system. The output of this system can drive Phocos DC LED lamps and Mobile Charging unit.

Model	SHLS-L3
Charging Type	Maximum Power Point Tracking Technology (MPPT)
Solar Input Power	5Wp
Maximum Panel Voltage [VOC]	21V (Over voltage protection by varistor)
Battery Type	Li-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
Max Charging current	600mA
Max Discharging current	1300mA
Electronic Protection	PV Reverse polarity, Reverse current flow at night, Surge & Transient protection, Load short circuit, Over current, High and Low voltage protection at battery side, Battery short circuit.
LED Indications	Green: Solar ; Yellow: Battery SOC; Red: Fault indication
Ambient Temperature	0°C to +50 °C while charging; -20°C to +55 °C while discharging
Type of Protection	IP 22
Efficiency	>95% peak
Load	DC jack 6.5mm, 3 output terminals
Mobile Charging	USB type A, 5.5V, 500mA
Weight	2.57 Kg
Dimensions (L X W X H)	350 x 250 x 115 mm
Accessories	Panel with cable - 1No; DC LED Lamp 1W - 3 No's; E-27 Lamp holder assembly with switch - 3 No's and Mobile charging connector - 1No.