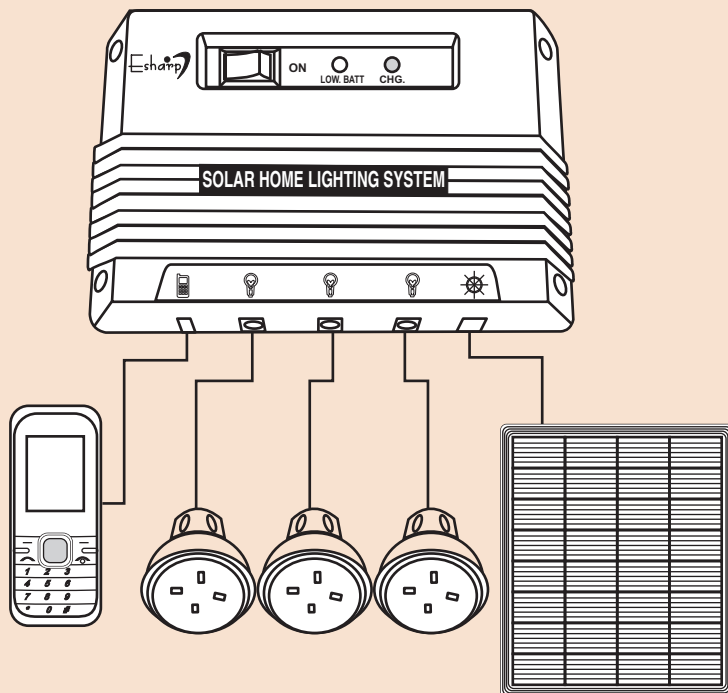




# SOLAR HOME LIGHT SYSTEMS (LED) - SUNGLOW

## Overview

The Solar LED Home Lighting System is the successful integration of the Solar Photovoltaic's and the emerging LED technology. These LED lamps give higher brightness at very low power consumption and as a result LED based Solar LED Home Light System requires very small solar panels and batteries compared to the conventional systems.



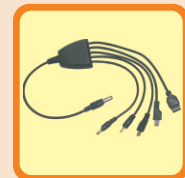
5 W SOLAR PANEL



BATTERY AND CONTROLLER



LED BULB SET



MOBILE PHONE ADAPTERS

## Key Features:

- x Safe & easy to install
- x Free from noise, smoke and pollution
- x Available in different configurations
- x Required very little attention
- x Molded cables for easy connection
- x Mobile charging for different types of Mobile



SAVE OUR PLANET, USE GREEN ENERGY

S. No.	<b>General</b>	
	Model	SHS-MI02
	Application	Solar rural electrification for homes, shops, offices etc
	Daily hours of operation	Average 5 hours
	Autonomy	1 day
	Battery	6 V, 4.5Ah VRLA
	Solar PV Module @ 8.4V STC	6V, 5Wp
	<b>Output</b>	
	Load Details	3* 1 W LED Luminary, Mobile Charger
	Light Output (Lumens)	100 ± 5%
	<b>Electrical</b>	
	System Voltage	6 V DC
	Luminary Driver Efficiency	>88%
	Luminary Driver Frequency	1 Mhz
	System self current consumption	<4mA
	Solar Charge controller efficiency	>95%
	Battery Depth of Discharge	<75%
	<b>Display / Indication</b>	
	Battery Low disconnect	Red LED glowing
	Battery Charging	Green LED glowing
	<b>Protections</b>	
	No load protection	Provided
	Short Circuit protection	Provided
	Luminary Reverse Polarity	Provided
	PV Module Reverse polarity	Provided
	Reverse current flow to PV Module	Provided
	Battery Reverse Polarity	Provided
	Battery over charging	Provided
	Battery deep discharging	Provided
	<b>Mechanical</b>	
	Luminary	Injection Moulded ABS plastic, with PC cover
	Controller	Injection Moulded ABS plastic, Wall Mount
	<b>Environmental</b>	
	Operating Temperature	0 to 50°C
	Storage Temperature	-10°C to 60°C
	<b>Size &amp; weight of complete Box (With Packing)</b>	345 X 240 X 95 mm (L X W X H)

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