

### SHS-DC Series

Basic Lighting Needs for Everyone



SHS122C



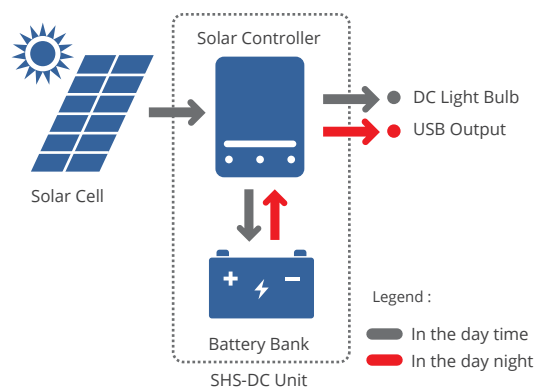
SHS123C

#### Features:

- Electricity comes from sunlight, does not require grid power or diesel generator.
- Long lasting and very bright lighting
- Ideal for off-grid area with no grid electricity
- Strong and light portable design
- Easy to install
- Battery light indicator
- USB port for charging handphone (optional)
- Free maintenance
- Safe for the environment according to ROHS standard

MODEL	1xLED 3W	2xLED 3W	3xLED 3W + 1x Cas HP
SHS 122	57 Hours	28 Hours	-
SHS 123	86 Hours	43 Hours	20 Hours

\* Charging the battery depends on weather in each region



#### Application:

- Camping
- Site survey
- Lighting for villages
- Mining
- Home without electricity
- Off-grid area without grid power



## TECHNICAL SPECIFICATION

MODEL	SHS 122C	SHS 123C
<b>INPUT</b>		
SYSTEM VOLTAGE	12 VDC	
ENERGY RATING	180 Watt-hour	270 Watt-hour
<b>SOLAR PANEL</b>		
RATED WATT (STC)	50 Wp	100 Wp
TYPE OF SOLAR PV	Monocrystalline / Polycrystalline	
WIRE SIZE / LENGTH	Stranded Wire 1.5mm <sup>2</sup> / 5 m	
<b>BATTERY</b>		
CAPACITY	2 x 12V 7.5Ah SLA	3 x 12V 7.5Ah SLA
FLOAT VOLTAGE	13.7 VDC at 25°C	
BOOST VOLTAGE	14.5 VDC at 25°C	
LOAD DISCONNECT VOLTAGE	11.0 VDC	
LOAD RECONNECT VOLTAGE	12.5 VDC	
TEMP. COMPENSATION	-3.33 mV/°C/Cell (Float Voltage)	
OVER VOLTAGE PROTECTION	15.5 VDC	
<b>LOAD</b>		
RATED DC VOLTAGE	12 VDC ±5%	
MAX. DC OUTPUT CURRENT	2 ADC	3 ADC
NO. OF DC OUTPUT CONNECTOR	2	3
RATED USB DC VOLTAGE	-	5 VDC
MAX. USB DC CURRENT	-	1 ADC
NO. OF USB PORT	-	1
TRANSFER TIME FROM PV TO BATT.	Oms	
BACK UP TIME	Depends on Load Profile	
WIRE SIZE / LENGTH	Stranded Wire AWG 22 / 4 m	
<b>PANEL DISPLAY</b>		
LED	Indicate status of PV, Batt, load and Fault	
<b>ADDITIONAL ITEMS</b>		
ACCESSORIES	1 set Solar Panel Cables	
LED BULB WITH CABLES	2 set 3W DC 12V LED with Load Cable	3 set 3W DC12V LED with Load Cable
<b>ENVIRONMENT</b>		
OPERATING TEMP	-0°C ~ +50°C	
STORAGE TEMP	-20°C ~ +50°C	
HUMIDITY	0 ~ 95% Non-considering	
<b>PHYSICAL CHARACTERISTICS</b>		
<b>DIMENSION (D X W X H)</b>		
- SHS UNIT	131x 158 x 313mm	132 x 250 x 305mm
- SOLAR PANEL	23 x 645 x 545mm	28 x 540 x 1210mm
<b>WEIGHT (NETTO / BRUTTO)</b>		
- SHS UNIT	4.85 kg	8.91 kg
- SOLAR PANEL	4.15 Kg	7.44 kg
<b>DIMENSION PACKAGE (D X W X H)</b>		
- SHS UNIT	200 x 220 x 400mm	200 x 320 x 360mm