

### SHS-AC Series

Power up the basic electrical lighting and appliances



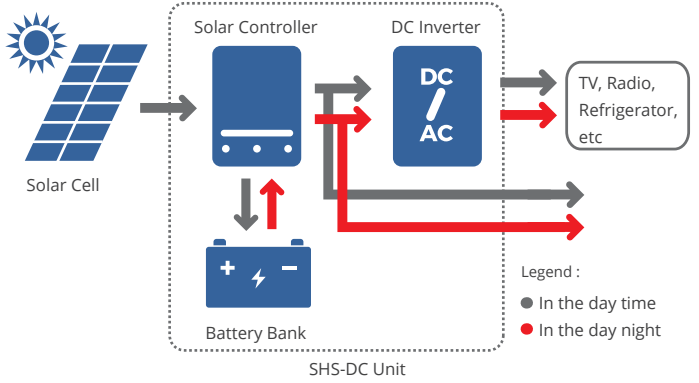
SHS123051

#### 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
- AC power available for TV, Radio or other appliances

MODEL	1xLED 3W	2xLED 3W	3xLED 3W + 1x Cas HP
SHS 123051	70 Hours	19 Hours	22 Hours

\* Assuming the battery is fully charged and connected external battery 1 unit 12V 32Ah  
 \* Assuming Ceiling Fan and LCD TV 15" standard type  
 \* Charging the battery depends on weather in each region



#### Application:

- Camping
- Site Survei
- Lighting for villages
- Security Post
- Mining
- Home without electricity
- Off-grid area without grid power
- Charging a car battery



## TECHNICAL SPECIFICATION

MODEL		SHS12305IC
<b>INPUT</b>		
SYSTEM VOLTAGE		220VAC
INVERTER RATING		500W
<b>SOLAR PANEL</b>		
RATED WATT (STC)		150 Wp
TYPE OF SOLAR PV		Monocrystalline / Polycrystalline
SOLAR PANEL CONNECTOR		1 Set
WIRE SIZE / LENGTH		NYHYH 2 x 2.5 mm <sup>2</sup>
<b>BATTERY</b>		
CAPACITY		3 x 12V 7.5Ah SLA
EXTERNAL BATTERY		Max. 12V 32Ah
EXTERNAL BATTERY CONNECTOR		1 Set
FLOAT VOLTAGE		13.4 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>DC OUTPUT</b>		
RATED DC VOLTAGE		12 VDC ±5%
MAX. DC OUTPUT CURRENT		2 ADC
NO. OF DC OUTPUT CONNECTOR		2
RATED USB DC VOLTAGE		5 VDC
MAX. USB DC CURRENT		1 ADC
NO. OF USB PORT		1
TRANSFER TIME FROM PV TO BATT.		0ms
BACK UP TIME		Depends on Load Profile
WIRE SIZE / LENGTH		NYHYH 2 x 1.5 mm <sup>2</sup>
<b>AC OUTPUT</b>		
RATED AC VOLTAGE		220 VAC
RATED POWER		500 Watt
WAVEFORM		Synthesized Sinewave
NO. OF AC OUTPUT CONNECTOR		2
<b>AC INPUT</b>		
RATED AC VOLTAGE		220 VAC
MAX. INPUT CURRENT		1 A
		1
<b>PANEL DISPLAY</b>		
LED		Indicate status of PV, Batt, Load and Fault
<b>ADDITIONAL ITEMS</b>		
ACCESSORIES		1 set Solar Panel Cables and 2 set DC Bulb Cables
LED BULB WITH CABLES		2 set 5W DC 12V LED Bulb
<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		235 x 325 x 225mm
- SOLAR PANEL		30 x 670 x 1470mm
<b>WEIGHT (NETTO / BRUTTO)</b>		
- SHS UNIT		11.28 Kg
- SOLAR PANEL		10.62 Kg
<b>DIMENSION PACKAGE (D X W X H)</b>		
- SHS UNIT		303 x 395 x 280mm