

Solar Media Home Lighting System

SR77B
Solar Run Energy Co.,Ltd

Verify online:

<https://data.verasol.org/products/sek/ssr-77b>

Valid until: August 31, 2024

Results based on test procedures detailed in IEC TS 62257-9-5



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

3

Light point(s)



Plug-and-play



WARRANTY INFORMATION

There is a "2 years warranty". The warranty is void for normal wear and tear, and is void for the defects caused by abnormal use, rough handling and misuse of product. There is a 1 year warranty for the optional home appliances.

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	3 light points on (On) totaling 850 lumens and 7.2 W power	6.9 hours	5.6 hours
yes	included	Video Display	7" integrated video display with a power consumption of 1.6 W while in use on the highest volume	37 hours	3.1 hours
no	not included	Mobile Phone	Basic phone (3.7 Wh battery)	10 full charge(s)	1.7 full charge(s)

Available daily electrical energy ^c (Wh/day)	53
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Performance measure	Brightness setting: On
Lighting full battery run time ^d for main unit (hours)	6.9
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	5900

^a Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

^b Without any other loads used during the run time

^c Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

^d Lighting full battery run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
LED bulb	3	1	On	280	120	75	7200	Wide	100%

^e Lumen efficacy is the power consumption at a light point during the light output test.

^f Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

^g Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

^h Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEATURES**Data transmit and charging port****The control box contains an USB port which allows data transmit and phone charging.****PORTS****2****USB 2.0 type A**

One USB output port for phone charging and one USB output port for data transmit.

3**Barrel jack**

Three 12 V output ports for LED bulbs.

DURABILITY

Overall durability and workmanship

Pass

Durability tests passed

Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests

Level of water protection

Main Unit

Water ingress protection not tested, meant for indoor use only.

PV module

Has protection from permanent outdoor exposure.

LED bulb

Water ingress protection not tested, meant for indoor use only.

Remote control

Water ingress protection not tested, meant for indoor use only.

SOLAR DETAILS

PV module type

Polycrystalline silicon

PV maximum power

20 watts

MAIN UNIT BATTERY DETAILS

Battery replaceability

Easily replaceable with common tools.

Battery chemistry

Lithium iron phosphate

Battery capacity

6 Ah

Battery nominal voltage

12.8 V

Battery status indication

One LED for remote control receiver and four LEDs for showing battery status and working status

MARKS AND CERTIFICATIONS

Factory certification

ISO 9001; ISO 45001; ISO14001

PRODUCT DETAILS

Manufacturer name

Solar Run Energy Co.,Ltd

Product name

Solar Media Home Lighting System

Product model / ID number

SR77B

Contact information

info@solarunoffgrid.com

Website

www.solarunoffgrid.com

Dimensions (entire product in package)

25 x 35 x 9 cm

Mass

1830 g

SSS INFORMATION

Specs sheet expiration date

August 31, 2024

Quality standards framework version

2021

Revision

2024.04