Solar Media Home Lighting System

SR77A
Shenzhen Power-Solution Ind Co., Ltd.

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

✔ **Meets the Lighting Global Pico-PV 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 misuseof 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/m²/day)	
				Used alone[b]	Used in combination[c]
yes	included	Main lighting unit	3 light points on (On) totaling 490 lumens and 4.5 W power	5.1 hours	3.3 hours
yes	included	Video Display	7" integrated video display with a power consumption of 1.6 W while in use on the highest volume	16 hours	1.9 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	4.8 full charge(s)	1.1 full charge(s)

Available daily electrical energy[c] (Wh/day)	23

Performance measure	Brightness setting: On
Lighting full battery run time[d] for main unit (hours)	5.3
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1620

[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	170	95	74	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 6 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 Controller	Water ingress protection not tested, meant for indoor use only.

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	10 watts

MAIN UNIT BATTERY DETAILS

Battery replaceability	Easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery capacity	5.9 Ah
Battery nominal voltage	6.4 V
Battery status indication	One LED for remote control receiver and four LEDs for showing battery statusand working status

MARKS AND CERTIFICATIONS

Factory certification	ISO 9001; ISO 45001; ISO14001

PRODUCT DETAILS

Manufacturer name	Shenzhen Power-Solution Ind Co., Ltd.
Product name	Solar Media Home Lighting System
Product model / ID number	SR77A
Contact information	susan@power-solution.net.cn
Website	https://www.power-solution.net.cn/
Co-brand of	Solar Media Home Lighting System, ShenZhen Solar Run Energy Co., Ltd.
Dimensions (entire product in package)	25 x 35 x 9 cm
Mass	2480 g

SSS INFORMATION

Specs sheet expiration date	July 31, 2023
Quality standards framework version	2021
Revision	2023.01