

Solar Media Home Lighting System

SR77B

Brand name: Solar Run

Verify online:

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

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8

Valid until: March 31, 2025



Meets the Requirements in IEC TS 62257-9-8:2020 for Size B kits



Mobile charging

PAYG

Pay-As-You-Go option available

3

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty on the PV module, main unit, lights, cables excluding the charging cable. A 1-year warranty for the remote controller and charging cable.

PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	3 light points on (On) totaling 1,030 lumens and 7.5 W power	8.9 hours	4.1 hours
yes	included	Integrated Video Display	7" integrated video display with a power consumption of 1.6 W while in use on the highest volume	88 hours	3.1 hours
no	not included	Mobile Phone	Basic phone (3.7 Wh battery)	13 full charge(s)	1 full charge(s)
no	not included	Radio	Portable radio (Li-ion battery: 1 Ah, 3.7 V) with power consumption of 0.5 W while in use	96 hours	3.1 hours
no	not included	Fan	Small table (16" or smaller diameter, 5 W power)	13 hours	5.1 hours

Available daily electrical energy ^c (Wh/day)	64
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Performance measure	Brightness setting: 3 lights on ON
Lighting full battery run time ^d for main unit (hours)	8.8
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	9200

^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)	Power consumption (W)	Lumen efficacy ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
LED bulb	3	1	On	340	2.5	140	80	6700	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

PORTS			
2	USB 2.0 type A		One USB output port for phone charging and one USB output port for data transmit. 5 V radio and fans can also be charged.
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	Has protection from occasional rain; met with appropriate warning label	
	PV module	Has protection from permanent outdoor exposure	
SOLAR DETAILS			
PV module type		Monocrystalline silicon	
PV maximum power		21 watts	
PV rated power		20 watts	
PV nominal voltage		10.8 volts	
MAIN UNIT BATTERY DETAILS			
Battery replaceability		Not easily replaceable with common tools.	
Battery chemistry		Lithium iron phosphate	
Battery capacity		12 Ah	
Battery nominal voltage		6.4 V	
Battery status/ other indicator lights		One LED for remote control receiver and four LEDs for showing battery status and working status	
PRODUCT DETAILS			
Company name		Shenzhen Solar Run Energy Co.,Ltd	
Brand Name		Solar Run	
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)		Multiple packages. Contact manufacturer for more information.	
Mass		n/a	
SSS INFORMATION			
Specs sheet expiration date		March 31, 2025	
Revision		2024.08	