Solar Media Home Lighting System

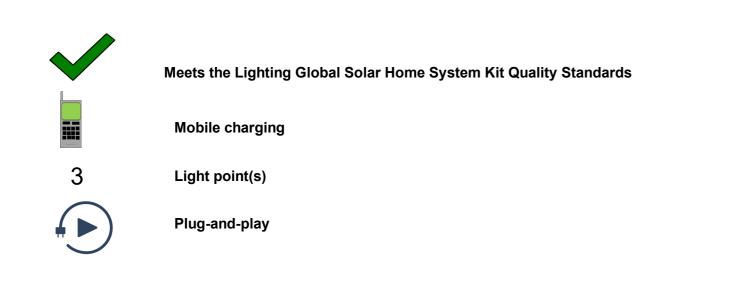
SR77B

Shenzhen Power-Solution Ind Co., Ltd.

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

Verify online:

https://data.verasol.org/products/sek/sps-77b Valid until: March 31, 2022





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					
		Run time after a typical day of solar charging			
				(assuming 5	kWh/m²/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 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

 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 (Im)	Lumen efficacy ^e (Im/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.

^fColor 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	3						
Data transmit and ch	narging port 🛛 🔶	The control box contain	ns 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.				
	Barrel jack		Three 12 V output ports for LED bulbs.				
DURABILITY Overall durability and	workmanship		Pass				
			Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests				
Durability tests passed							
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 BATTER	Y DETAILS						
Battery replaceability			Easily replaceable with common tools.				
Battery chemistry			Lithium iron phosphate				
Battery capacity			6 Ah				
Battery nominal voltag	je		12.8 V				
Battery status indication	on		One LED for remote control receiver and four LEDs for showing battery statusand working statu				
MARKS AND CERTIF	FICATIONS						
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			SR77B				
Contact information			susan@power-solution.net.cn				
Website			https://www.power-solution.net.cn/				
Dimensions (entire product in package)			25 x 35 x 9 cm				
Mass			1830 g				
SSS INFORMATION							
Specs sheet expiration date			March 31, 2022				
Quality standards framework version			2021				
Revision			2021.09				