

# Solar 3 Bulbs Home Lighting and Charging System

SR25D

Shenzhen Solar Run Energy Co., Ltd.

Verify online:

<https://data.verasol.org/products/sek/ssr-s4b>

Valid until: December 31, 2024

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



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits



Mobile charging

3

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

A 1-year warranty covers manufacturing defects.

## PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	
VeraSol Certified?	Included in Kit?	Appliance <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>
yes	included	Main lighting unit	3 light points on, totaling 420 lumens and 3.2 W power	9.1 hours	6.0 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	4.6 full charge(s)	1.6 full charge(s)

Available daily electrical energy <sup>c</sup> (Wh/day)	22
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Performance measure	Brightness setting: on
Lighting full battery run time <sup>d</sup> for main unit (hours)	12
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	3820

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

<sup>b</sup> Without any other loads used during the run time

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

<sup>d</sup> 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 <sup>a</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
1 W lamp	3	1	on	140	130	83	6600	Wide	99%

<sup>a</sup> Lumen efficacy is the power consumption at a light point during the light output test.

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

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

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

PORTS			
1	USB 2.0 type A		Mobile phones can be charged. Adapters are included.
4	barrel jack		Four ports for the manufacturer-supplied lights
DURABILITY			
Overall durability and workmanship			Pass
Durability tests passed			Switch 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	
	1 W lamp	Water ingress protection not tested, meant for indoor use only.	
SOLAR DETAILS			
PV module type			Polycrystalline silicon
PV maximum power			7.8 watts
MAIN UNIT BATTERY DETAILS			
Battery replaceability			Easily replaceable with common tools.
Battery chemistry			Lithium-ion
Specific Li-ion battery chemistry			lithium cobalt oxide
Battery package type			4 x 18650
Battery capacity			4.3 Ah
Battery nominal voltage			7.4 V
Battery status/ other indicator lights			One indicator for charging status
PRODUCT DETAILS			
Manufacturer name			Shenzhen Solar Run Energy Co., Ltd.
Product name			Solar 3 Bulbs Home Lighting and Charging System
Product model / ID number			SR25D
Contact information			info@solarunoffgrid.com
Website			http://www.solarunoffgrid.com/
Dimensions (entire product in package)			36.4 x 7.6 x 18.7 cm
Mass			1740 g
SSS INFORMATION			
Specs sheet expiration date			December 31, 2024
Revision			2023.06