Solar Home Lighting System

SR06A31XY

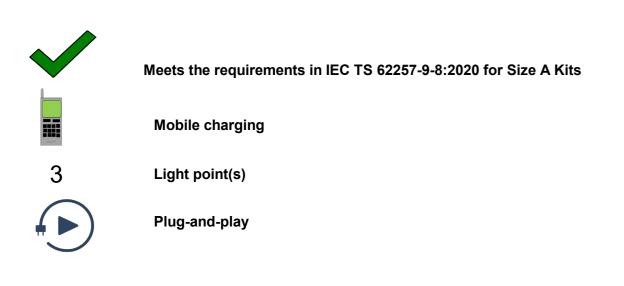
Shenzhen Solar Run Energy Co. LTD

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

Verify online:

https://data.verasol.org/products/sek/ssr-sr06

Valid until: September 30, 2025





WARRANTY INFORMATION

PERFORMANCE DETAILS

A 3-year warranty covering manufacturing defects in the system including the torch. A 1-year warranty for the charge cable and radio.

					vpical day of solar ging 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 totaling 430 lm and 3.3 W	9.6 hours	2.4 hours
yes	included	Torch	59 lumens torch, (LiFePO4 battery:0.5 Ah, 3.2V)	8.8 hours	2.4 hours
yes	included	Radio	portable (Li-ion battery: 2 Ah, 3.7 V), with a power consumption of .33 W while in-use	72 hours	1.8 hours
no	not included	USB fan	USB powered fan (3W)	10 hours	3 hours
no	not included	Mobile Phone	Smart Phone (5.7 Wh battery)	3.9 full charge(s)	0.61 full charge(s)
no	not included	Mobile Phone	Basic Phone (3.7 Wh battery)	6.2 full charge(s)	

Performance measure	Brightness setting: On
Lighting full battery run time ^d for main unit (hours)	11
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	2250

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

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	140	130	83	6639	Wide	99%
Torch	1	2	torch light	59	100	73	6523	Narrow	97%

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

^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.

^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

PORTS					
1	USB 2.0 type A		Mobile phones can be charged. Adapters are included.		
4	Barrel jack		4 ports available to power light points		
DURABILITY					
Overall durability ar	nd 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		
SOLAR DETAILS					
PV module type			Polycrystalline silicon		
PV maximum powe	er		10 watts		
MAIN UNIT BATTE	ERY DETAILS				
Battery replaceability			Easily replaceable with common tools; however, the warranty is void if product is opened.		
Battery chemistry			Lithium iron phosphate		
Specific Li-ion battery chemistry			lithium iron phosphate		
Battery package type			2 x 32650		
Battery capacity			6.2 Ah		
Battery nominal voltage			6.4 V		
Battery status indication			Four green LEDs indicate battery state of charge		
PRODUCT DETAIL	LS				
Manufacturer name			Shenzhen Solar Run Energy Co. LTD		
Product name			Solar Home Lighting System		
Product model / ID number			SR06A31XY		
Contact information			info@solarunoffgrid.com		
Website			www.solarunoffgrid.com		
Dimensions (entire product in package)			35 x 25 x 6.5 cm		
Mass			2345 g		
SSS INFORMATION	V				
Specs sheet expira	ition date		September 30, 2025		
Revision			2025.04		