

Solar Lighting Kit

SK-A962EU
All Solar Lights Ltd.

Verify online:
<https://data.verasol.org/products/sek/as-asl>
Valid until: May 31, 2023

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

2

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects.

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	2 light points on On totaling 550 lumens and 6.4 W power	2.4 hours	0.7 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	2.8 full charge(s)	0.2 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	21 hours	0.58 hours
no	not included	Fan	Small table/standing/ceiling fan (16" or smaller diameter, 10 W power)	1.6 hours	0.9 hours

Available daily electrical energy ^e (Wh/day)	15
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Performance measure	Brightness setting: On
Lighting full battery run time ^d for main unit (hours)	7.5
Total lighting service (lumen-hours/solar-day) <i>(includes the both main lighting unit and any lights with internal batteries included with the product)</i>	1270

^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 ^g (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
LED light	2	1	On	260	84	82	6200	Wide	98%

^g 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	
Mobile charging	★ No adapters included
PORTS	
1	USB 2.0 type A  Mobile phones and radios can be charged. Adapters are not included.
2	Barrel jack  12 V ports available to power light points.
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 and lights
	PV module
	Water ingress protection not tested, meant for indoor use only.
	Has protection from permanent outdoor exposure.
SOLAR DETAILS	
PV module type	Monocrystalline silicon
PV maximum power	4.5 watts
MAIN UNIT BATTERY DETAILS	
Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Sealed lead-acid
Battery capacity	3.5 Ah
Battery nominal voltage	12 V
Battery status/ other indicator lights	Three indicators for battery level
PRODUCT DETAILS	
Manufacturer name	All Solar Lights Ltd.
Product name	Solar Lighting Kit
Product model / ID number	SK-A962EU
Contact information	info@allsolarworld.com
Website	www.allsolarworld.com
Dimensions (entire product in package)	30 x 21 x 24 cm
Mass	4270 g
SSS INFORMATION	
Specs sheet expiration date	May 31, 2023
Revision	2022.06