

SunAce Li

Sinoware Technology Co. Limited

Verify online:

<https://data.verasol.org/products/sek/sino-sali>

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

Valid until: July 31, 2024



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



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system

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	1 light point on Super mode totaling 200 lumens and 1.5 W power	4.4 hours	2.1 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	1 full charge(s)	0.5 full charge(s)

Available daily electrical energy^c (Wh/day)

5

Performance measure

Brightness setting: Super mode

Lighting full battery run time^d for main unit (hours)

5.2

Total lighting service (lumen-hours/solar-day)

880

(includes the both main lighting unit and any lights with internal batteries included with the product)

^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 ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Solar Lamp	1	4	Super mode	200	130	82	6300	Wide	99%

^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	
1	USB 2.0 type A  Mobile phones can be charged. Adapters are included.
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
	PV module
Has protection from frequent rain; met IPX3	
Has protection from permanent outdoor exposure	
SOLAR DETAILS	
PV module type	Polycrystalline silicon
PV maximum power	2 watts
MAIN UNIT BATTERY DETAILS	
Battery replaceability	Easily replaceable with common tools.
Battery chemistry	Lithium-ion
Battery package type	18650
Battery capacity	2.2 Ah
Battery nominal voltage	3.6 V
Battery status/ other indicator lights	A battery meter shows the charge and operating condition on the lamp enclosure.
PRODUCT DETAILS	
Manufacturer name	Sinoware Technology Co. Limited
Product name	SunAce Li
Contact information	tommyhuang@sinoware.com.cn
Website	https://www.sinoware.com.cn/
Dimensions (entire product in package)	21 x 14 x 16 cm
Mass	783 g
SSS INFORMATION	
Specs sheet expiration date	July 31, 2024
Revision	2022.09