

Lamp2Torch

Sinoware Technology Co. Limited

Verify online:

<https://data.verasol.org/products/sek/sino-L2T>

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 array on Super totaling 450 lumens and 2.6 W	5.8 hours	3.5 hours
yes	included	Integrated Torch	1 array on torch setting, totaling 19 lumens and 0.79 W	19 hours	3.5 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	2.8 full charge(s)	0.9 full charge(s)

Available daily electrical energy^c (Wh/day) 16

Performance measure	Brightness setting: Main lamp on Super
Lighting full battery run time ^d for main unit (hours)	5.8
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	2600

^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
Integrated Main Lamp Super	1	4	Super	450	170	83	6300	Wide	100%
Integrated Torch Front	1	1	on	54	85	81	6300	Narrow	100%

^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

SPECIAL FEATURES**Multipurpose handle****Handle allows the lamp to serve as a desk lamp, room lamp, or hanging light****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

Has protection from frequent rain; met IPX3

PV module

Has protection from permanent outdoor exposure.

SOLAR DETAILS

PV module type

Polycrystalline silicon

PV maximum power

5.4 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

7.2 V

Battery status/ other indicator lights

Lamp has meter that shows charging status and battery state of charge

PRODUCT DETAILS

Manufacturer name

Sinoware Technology Co. Limited

Product name

Lamp2Torch

Contact information

tommyhuang@sinoware.com.cn

Website

<https://www.sinoware.com.cn/>

Dimensions (entire product in package)

24 x 19 x 14 cm

Mass

1060 g

SSS INFORMATION

Specs sheet expiration date

July 31, 2024

Revision

2022.09