

Lamp2Torch

Sinoware Technology Co. Limited

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:

www.lightingglobal.org/products/sino-L2T

Valid until January 31, 2022



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty against defects in materials or workmanship

PERFORMANCE DETAILS

	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination ^c
included in kit	Integrated Main Lamp	1 array on Super totaling 450 lumens and 2.6 W	5.8 hours	3.5 hours
	Integrated Torch	1 array on torch setting, totaling 19 lumens and 0.79 W	19 hours	3.5 hours
sold separately	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)

15.5

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)

2600

(includes the both main lighting unit and any auxiliary lights 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
Integrated Main Lamp Super	1	4	Super	450	170	83	6300	Wide	100%
Integrated Torch Front	1	1	On	67	85	81	6000	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.

Level of water protection

Integrated Lighting 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

BATTERY DETAILS

Battery replaceability

Easily replaceable with common tools.

Battery chemistry

Lithium-ion

Battery capacity

4600 mAh

Battery nominal voltage

3.7 V

Battery status indication

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

MARKS AND CERTIFICATIONS

Factory certification

ISO 9001:2015

PRODUCT DETAILS

Manufacturer name

Sinoware Technology Co. Limited

Product name

Lamp2Torch

Product model / ID number

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Contact information

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Website

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

Dimensions (entire product in package)

23.5 x 18.5 x 14 cm

Mass

1055

SSS INFORMATION

Specs sheet expiration date

January 31, 2022

Quality standards framework version

2020

Revision

2020.01