Lamp2Torch
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Sinoware Technology Co. Limited
Results based on test procedures detailed in
IEC 62257-9-5 v.4

Verify online:
https://data.verasol.org/products/sino-L2T
Valid until: November 30, 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/m²/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) (includes the both main lighting unit and any auxiliary lights 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	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 vieiwing 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	--
Contact information	tommyhuang@sinoware.com.cn
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	November 30, 2022
Quality standards framework version	2020
Revision	2020.01