SunAce II

Sinoware Technology Co., Limited

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

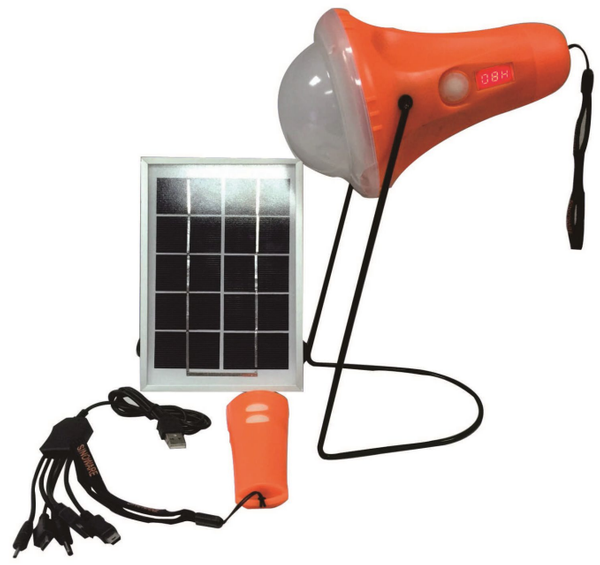
Verify online:
https://data.verasol.org/products/sek/sino-sa
Valid until: December 31, 2025

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

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]	Featured Combination (Main unit and torch charging from PV simultaneously)
yes	included	Main lighting unit	1 light point on Super totalling 240 lm and 1.7 W power	5.3 hours	2.4 hours	5.3 hours
yes	included	Torch/Remote	22 lumens torch, (LiFePO4 battery: 0.50 Ah, 3.2 V)	30 hours	2.5 hours	1.6 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	1.3 full charge(s)	0.6 full charge(s)	--

Available daily electrical energy[c] (Wh/day)	7.1

Performance measure	Brightness setting: Super
Lighting full battery run time[d] for main unit (hours)	5.8
Lighting full battery run time of the torch/remote powered by torch/remote battery (hours)	8.2
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1220

[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]
Main lamp	1	4	Super	240	150	83	6300	Wide	99%
Torch/Remote	1	2	High	22	120	87	5300	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

SPECIAL FEATURES		
Torch/Remote	★	**Torch acts as wireless remote to turn Main lamp on/off**
Metal Stand	★	**Detachable stand allows product to be used as a desk lamp**

PORTS		
1	**USB 2.0 type A**	

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.
	Torch/Remote	Has protection from occasional rain; met with appropriate warning label

SOLAR DETAILS	
PV module type	Polycrystalline silicon
PV maximum power	3 watts

MAIN UNIT BATTERY DETAILS	
Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Lithium iron phosphate
Battery package type	26650
Battery capacity	3.2 Ah
Battery nominal voltage	3.2 V
Battery status/ other indicator lights	One digital display shows the charging status and remaining battery run time on the main lamp enclosure

PRODUCT DETAILS	
Manufacturer name	Sinoware Technology Co., Limited
Product name	SunAce II
Contact information	tommyhuang@sinoware.com.cn
Website	www.sinoware.com.cn
Dimensions (entire product in package)	20.5 x 13.5 x 15.5 cm
Mass	951 g

SSS INFORMATION	
Specs sheet expiration date	December 31, 2025
Revision	2025.10