Sunshine 300

TLL004
TotalEnergies

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/to-sunshine300
Valid until: January 31, 2025

✓ **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

The Sunshine 300 is covered by a two-year warranty from the date of purchase. This warranty covers manufacturing defects from early components failure under normal use

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	9 LEDs on, 2.2 W power	6.7 hours	3.2 hours
no	not included	Smart phone	Smart phone (5.7 Wh battery)	1.6 full charge(s)	0.81 full charge(s)

Available daily electrical energy[c] (Wh/day)	12

Performance measure	Brightness setting: high
Lighting full battery run time[d] for main unit (hours)	7.9
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1930

[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 light	1	4	high	290	130	85	6280	Wide	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		
Individual switch	⭐	**The integrated light has an individual switch.**

PORTS			
1	USB 2.0 type A		Mobile phones can be charged. Charging cable is 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 occasional rain; met with appropriate warning label
	PV module	Has protection from permanent outdoor exposure

SOLAR DETAILS	
PV module type	Polycrystalline silicon
PV maximum power	4 watts

MAIN UNIT BATTERY DETAILS	
Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Lithium-ion
Specific Li-ion battery chemistry	lithium nickel cobalt aluminum oxide
Battery package type	18650
Battery capacity	5.2 Ah
Battery nominal voltage	3.6 V
Battery status/ other indicator lights	There are three lights indicating battery level and PV charging.

PRODUCT DETAILS	
Manufacturer name	TotalEnergies
Product name	Sunshine 300
Product model / ID number	TLL004
Contact information	benedicte.rouillon@totalenergies.com
Website	https://totalenergies.com/
Dimensions (entire product in package)	12 x 11 x 11 cm
Mass	1030 g

SSS INFORMATION	
Specs sheet expiration date	January 31, 2025
Revision	2022.11