

Sunshine Torch

TTS001

Brand name: TotalEnergies

Results based on test procedures detailed in IEC TS 62257-9-5:2018 and IEC TS 62257-9-8:2020

Verify online:

<https://data.verasol.org/products/sek/to-st>

Valid until: June 30, 2027



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

A 2-year warranty covering manufacturing defects in the system.

PERFORMANCE DETAILS

				Run time after a typical day of solar charging	
				(assuming 5kWh/m ² /day)	
VeraSol Certified?	Included in kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	1 light point (integrated torch) on "Intense" totaling 230 lumens and 2.3 W power	3.4 hours	2.2 hours
no	not included	Smart phone	Smart phone (5.7Wh battery)	1 full charge(s)	0.55 full charge(s)

Available daily electrical energy [Wh/day]	8.3
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Performance measure	Brightness setting: One light on "Intense" (integrated torch)
Lighting full battery run timed for main unit [hours]	3.4
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	780

^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 name	Light output [lm]	Power Consumption [W]	Lumen efficacy ^e [lm/W]	CRI ^f	CCT ^g	Lumen maintenance ^h
Integrated torch	1	4	Intense	230	2.3	98	74	8100	99
Integrated side light			side light	64	0.55	120	73	7200	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 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.

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 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		3.1 W	
PV Rated Power		3 W	
PV Open-Circuit Voltage (V _{OC})		7 V	
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 (tested)		3.5 Ah	
Battery Capacity (rated)		3.3 Ah	
Battery Nominal Voltage		3.2 V	
Battery status / other indicator lights		One indicator for battery charging and working status	
PRODUCT DETAILS			
Company Name (full)		Total Access to Energy Solutions	
Company Name ("brand")		TotalEnergies	
Product Name		Sunshine Torch	
Product Model or ID Number		TTS001	
Company Contact Information		accesstoenergy@total.com	
Company Website		https://accesstoenergy.totalenergies.com/	
Mass		925 g	
SSS INFORMATION			
Expiration Date		June 30, 2027	
Revision		2025.10	