

# Family Sunshine

TLL001  
TotalEnergies

Verify online:  
<https://data.verasol.org/products/sek/to-fs>  
Valid until: October 31, 2022

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



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

A 2-year warranty covering manufacturing defects.

## PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance <sup>a</sup>	Description	Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	
				Used alone <sup>b</sup>	Used in combination <sup>c</sup>
yes	included	Main lighting unit	1 light point on (Turbo) totaling 250 lumens and 2.6 W power	4.5 hours	2.4 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	1.9 full charge(s)	n/a
no	not included	Smart phone	Smart phone (5.7 Wh battery)	1.3 full charge(s)	0.6 full charge(s)

Available daily electrical energy <sup>c</sup> (Wh/day)	10
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Performance measure	Brightness setting: Turbo
Lighting full battery run time <sup>d</sup> for main unit (hours)	6.3
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1130

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> 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 <sup>e</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
Integrated lamp	1	3	Turbo	250	95	85	5300	Omnidirectional	98%
			Bright	170	100	85	5300	not tested	not tested

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> 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 IPX1
	PV module	Has protection from permanent outdoor exposure
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		2.9 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 cobalt oxide
Battery package type		2 * 18650
Battery capacity		4.1 Ah
Battery nominal voltage		3.7 V
Battery status/ other indicator lights		There are 4 indicators for battery level and charging.
PRODUCT DETAILS		
Manufacturer name		TotalEnergies
Product name		Family Sunshine
Product model / ID number		TLL001
Contact information		florent.giorgi@totalenergies.com
Website		<a href="https://totalenergies.com/">https://totalenergies.com/</a>
Dimensions (entire product in package)		16 x 22 x 16 cm
Mass		935 g
SSS INFORMATION		
Specs sheet expiration date		October 31, 2022
Revision		2022.05