

# Home Sunshine

## Total

Results based on test procedures detailed in IEC 62257-9-5, ed. 3.0

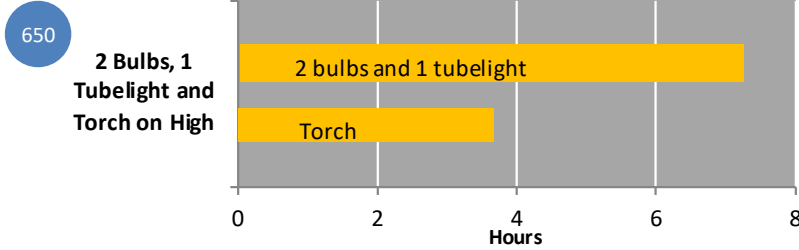
Verify Online:

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

Valid Until: July 31, 2022

### Lumens

### Solar Run Time



Meets Lighting Global Quality Standards



Mobile Charging

4

Light Points

## Warranty Information

A 2-year warranty covering manufacturing defects.

## Performance Details

	Brightness Setting**		
	2 Bulbs, 1 Tubelight and Torch on High	2 bulbs and 1 tubelight on high	Torch on High
Full battery run time* (hours)	--	7.9	3.9
Run time per day of solar charging* (hours)	6 (Bulbs and tubelight) 3.5 (torch)	7.2	--
Total light output (lumens)	480 (Bulbs and tubelight) 170 (torch)	480	170
Total lighting service (lumen-hours / solar-day)	3500	3500	--

\* 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. Calculated using the Energy Service Calculations.

\*\*Additional brightness settings not tested: Light Bulb on Normal, Tubelight on Normal, Torch on Normal

Lighting Details	Bulb	Tubelight	Torch
Description of light points	2 bulbs :12 LEDs each	16 LEDs	1 LED
Distribution type	wide	wide	narrow
Lumen maintenance	100%	100%	99%
Lamp type	LED		
Colour characteristics	CRI 81 CCT "Daylight" (>5000K)		

**Special Features**

Mobile charging	Adapters included to charge mobile phone from battery
Torch	Torch with rechargeable 1900 mAh Li-Ion battery
Radio	Radio with rechargeable 1000 mAh Li-Ion battery

**Durability**

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test. Torch has protection from occasional rain; met with IPX1. The radio has no protection.

**Solar Details**

PV module type	Polycrystalline silicon
PV maximum power point	9.5 watts

**Battery Details**

Battery replaceability	Easily replaceable with common tools. Warranty is void if product is opened.
Battery chemistry	Lithium-ion
Battery package type (main unit)	4 * 18650
Battery capacity (main unit)	8100 mAh
Battery nominal voltage	3.7 V
Appropriate battery protection circuit	Pass

**Marks and Certifications**

Factory certification	ISO9001:2015; ISO14001:2015
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**Product Details**

Manufacturer name	Total
Product name	Home Sunshine
Product model / ID number	TK002
Contact information	florent.giorgi@total.com
Website	www.total.com

**SSS Information**

Specs sheet expiration date	July 31, 2022
Quality Standards Framework Version	2018
Revision	2018.11