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

Verify online: https://data.verasol.org/proo January 31, 3







WARRANTY INFORMATION PERFORMANCE DETAILS

A 5-year warranty covering manufacturing defects in the PV module, a 2-year warranty for the battery, lights and cables.

				Run time after a typica	al day of solar charging		
				(assuming 5kWh/m²/day)			
VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c		
yes	included	Main lighting unit	4 light points on (On) totaling 1040 lumens and 8.7 W power	11 hours	5.4 hours		
no	not included	Television	Larger than 16" diagonal (18 W power consumption while in use)	5.7 hours	2.7 hours		
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	18 full charge(s)	1.3 full charge(s)		

Available daily electrical energy^c (Wh/day) 100

Performance measure	Brightness setting: On
Lighting full battery run time ^d for main unit (hours)	11
Total lighting service (lumen-hours/solar-day)	11600

_____(includes the both main lighting unit and any lights with internal batteries included with the product)
^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 (Im)	Lumen efficacy ^e (Im/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
1 W lamp	1	1	On	120	130	88	7300	Wide	100%
2 W lamp	2	1	On	240	130	87	7200	Wide	100%
4 W lamp	1	1	On	450	110	87	7200	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

7 USB 2.0 type A Mobile phones and radios can be charged. Adapters are included. 5 Barrel jack 12 V ports available to charged exists and power appliances and light points. 1 High Power Port 12 V port to available to charged exists and power appliances and light points. 0 URABLITY Overall durability and workmanship Pass Durability lests passed Switch test, Strain relief test, Physical ingress protection (lamps meet IP5X), PV durability tests Durability lests passed Main Unit Water ingress protection not tested, meant for indoor use only. PV module Has protection from frequent rain; met IPX3 SOLAR DETAILS Partocom frequent rain; met IPX3 PV module type Polycrystalline silicon PV module type Polycrystalline silicon PV module type Easily replaceable with common tools; however, the waranty is void if product is opened. Battery replaceability Easily replaceable with common tools; however, the waranty is void if product is opened. Battery replaceability Easily replaceable with common tools; however, the waranty is void if product is opened. Battery replaceability Easily replaceable with common tools; however, the waranty is void if product is opened. Battery replaceability Easily replaceable	PORTS						
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Revision 2022.02	Revision			2022.02			