Solar Home System

P260

Brand name: Bluetti

Results based on test procedures detailed in IEC TS 62257-9-5:2024

Verify online:

https://data.verasol.org/products/sek/bluetti-p260

Valid until: October 31, 2028

Meets the Requirements in IEC TS 62257-9-8:2025 for Size B kits

Mobile charging

PAYG **Pay-As-You-Go option available**

4 **Light point(s)**

Plug-and-play

WARRANTY INFORMATION

A 2-year warranty for the PV module, batteries, and lights covering manufacturing defects. A 1-year warranty for accessories.

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	4 light points on on totaling 1040 lumens and 8 W power	30 hours	8.2 hours
yes	included	Fan	Table fan (11 W power consumption while in use)	22 hours	10 hours
yes	not included	PAYG Television	32" diagonal television (10 W power consumption while in use)	23 hours	4.1 hours
yes	included	Radio	Portable radio (Li-ion battery: 1.2 Ah, 3.2 V), with a power consumption of 0.4 W while in use	480 hours	6.2 hours
no	not included	Smart phone	Smart phone (15 Wh battery)	12 full charge(s)	2.1 full charge(s)

Available daily electrical energy [Wh/day]	270

Performance measure	**Brightness setting: on**
Lighting full battery run time for main unit [hours]	30
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	31200

[a] Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard es

[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 tl 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]**	**Lume maintena**
2 W light	4	1	ON	260	2	130	6700	79	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			
4	**USB 2.0 type A**		Mobile phones and radios can be charged. Adapters are included.
8	**Barrel jack**		12 V ports available to charge devices and power applia and light points.
1	**TV port**		Powers TV.
1	**USB-C**		Offers fast charging and advertises compliance with USI protocols.

DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection, PV durabil
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Permanent rooftop installation for PV modules

SOLAR DETAILS	
PV Module Type	Monocrystalline silicon
PV Maximum Power	69 W
PV Rated Power	75 W
PV Open-Circuit Voltage (V_{OC})	22.5 V

MAIN UNIT BATTERY DETAILS	
Battery Replaceability	Not easily replaceable with common tools.
Battery Chemistry	Lithium iron phosphate
Battery Package Type	--
Battery Capacity (tested)	20 Ah
Battery Capacity (rated)	20 Ah
Battery Nominal Voltage	12.8 V
Battery status / other indicator lights	One indicator for charging, battery level, credit, and fault.

PRODUCT DETAILS	
Company Name (full)	Shenzhen Poweroak Newner Co., Ltd
Company Name ("brand")	Bluetti
Product Name	Solar Home System
Product Model or ID Number	P260
Company Contact Information	jeffrey@poweroak.net
Company Website	www.poweroak.eu
Mass	n/a

SSS INFORMATION	
Expiration Date	October 31, 2028
Revision	2025.1

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