

BBOXX Home

BBOXX Ltd

Results based on test procedures detailed in
Lighting Global Solar Home System Test Method, Ed. 2.0

Verify online:

www.lightingglobal.org/products/bb-home

Valid Until: April 30, 2019



Available Daily Electrical Energy (Wh/day)

129

Lumens

470



Meets Lighting Global
Quality Standards



Mobile Charging

PAYG

Pay-As-You-Go Option Available

4 Light Points

2 5-volt USB Ports



6 12-volt Ports



Warranty Information

Up to three years if purchased on payment plan; If not sold on payment plan, two years for main control unit, solar panel and lights, and one year for all other accessories.

Performance Details

Appliance ^b	Description	Included with kit?	Power ^b (W)	Run Time After a Typical Day of Solar Charging ^a		
				Used Alone ^c	Used In Combination ^d	Run Time Units
Main lighting	4 light points on totaling 470 lumens	included	5	29	11	hours
Torch	portable (9.4 Wh battery)	sold separately	--	66	11	hours
Television	15.6" diagonal	included	7.5	18	5.5	hours
Radio	portable (3 Wh battery)	sold separately	--	250	11	hours
Mobile Phone	Basic phone (3.7 Wh battery)	sold separately	--	27	2.8	number of full charges

Available daily electrical energy^d (Wh/day): 129

Performance Measure

Brightness Setting: 4 lamps on high

Lighting full battery run time^e (hours)

39

Total light output in lumens^f

470

^a A typical day of solar charging assumes 5 kWh/m²/day

^b Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

^c Without any other loads used during the run time

^d Based on an example use profile with all of the appliances listed above used in combination

^e 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.

^f 1 candle or kerosene wick lamp = approximately 10 lumens

Lighting Details

Lamp Name	Type	Number of Settings	Light Output (lm)	Lumen Efficacy (lm/W)	CRI ^g	CCT ^h	Distribution Type	Lumen Maintenance ⁱ
LED lamp	LED	1	120	103	80	Cool (5000-7000 K)	Wide	>99%

^g Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

^h Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm, near daylight, or cool.

ⁱ Percent of the original light output that remains after 2,000 hours of run time

Special Features

Mobile charging and appliances	USB and 12 V ports available to charge devices and power appliances
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Durability

Overall durability and workmanship	Pass
Durability tests passed	Switch and connector cycling, strain relief test, physical ingress protection test. Drop test (applies to torch). Water ingress protection not tested; meant for indoor use only.

Solar Details

PV module type	Polycrystalline silicon
PV maximum power	49 watts

Battery Details

Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Sealed lead-acid
Battery package type	181mm x 167mm x 76mm
Battery capacity	17 Ah
Battery nominal voltage	12 V
Battery Status Indication	5 indicators to denote product operation condition

Marks and Certifications

Factory certification	ISO 9001:2008
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Product Details

Manufacturer name	BBOXX Ltd
Product name	BBOXX Home
Product model / ID number	--
Contact information	c.baker-brian@bbox.co.uk
Website	www.bbox.co.uk
Dimensions (entire product in package)	Product provided in several packages
Weight	10300 g

SSS Information

Specs sheet expiration date	April 30, 2019
Quality Standards Framework Version	2017
Revision	2017.04