

Home Power

HP170-32L3S1

ovSolar (OvSolar Power Company Limited)

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:

www.lightingglobal.org/products/mar-HP170-32

Valid until July 31 2021



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

5

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system and for the battery.

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)		
	Appliance ^a	Description	Used alone ^b	Used in combination ^c	Featured Combination (TV on, three pendant lamps and one security lamp on Super and charging smartphone)
included in kit	Main unit	4 light points on totaling 2000 lumens	12 hours	8.0 hours	6.0 hours
	32" TV	32" diagonal (14 W power)	13.6 hours	4.0 hours	5.9 hours
	Torch	520 mAh, 36 lumens torch, 3.2 V nominal voltage	460 hours	--	--
sold separately	Mobile Phone	Basic phone (3.7 Wh battery)	31 full charge(s)	2 full charge(s)	--
	Smart Phone	Smart phone (5.7 Wh battery)	19 hours	--	2 full charge(s)

Available daily electrical energy^c (Wh/day) 170

Performance measure

Brightness setting: Super

Lighting full battery run time^d for main unit (hours)

12

Lighting full battery run time torch (hours)

460

Total lighting service (lumen-hours/solar-day)
(includes the both main lighting unit and any auxiliary lights included with the product)

26000

^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 (lm)	Lumen efficacy ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Pendant lamp	3	3	Super	480	140	83	5000	Wide	99%
Security lamp	1	2	Super	500	140	83	5000	Wide	99%
Torch (front)	1	3	Torch mode	31	120	86	6100	Narrow	98%
Torch (side)				36	140	83	4200	Wide	

^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

SPECIAL FEATURES

LEDs ★ **UV-free LEDs are used to optimize health and safety as well as efficiency.**

Indicators ★ **LEDs to indicate battery state of charge of main unit as well as for the TV remote**

PORTS

3 **USB 2.0 type A**  Basic mobile phones and smart phones can be charged.

7 **Barrel jack for Light**  There are 6 barrel ports for only lights, and there is one port for the TV.

DURABILITY

Overall durability and workmanship Pass

Durability tests passed Switch test, Strain relief test, physical ingress protection.

Level of water protection	Main unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure; met with technical protection
	32" TV	Water ingress protection not tested, meant for indoor use only.
	Pendant lamp	Water ingress protection not tested, meant for indoor use only.
	Security lamp	Water ingress protection not tested, meant for indoor use only.
	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 Lithium-ion

Battery package type 18650

Battery capacity 20 Ah

Battery nominal voltage 10.8 V

Battery status indication There are 5 indicators that describe the battery's state of charge.

PRODUCT DETAILS

Manufacturer name ovSolar (OvSolar Power Company Limited)

Product name Home Power

Product model / ID number HP170-32L3S1

Contact information info@ovsolar.com

Website www.ovsolar.com

Dimensions (entire product in package) Multiple packages. Contact manufacturer for more information.

Mass N/A

SSS INFORMATION

Specs sheet expiration date July 31 2021

Quality standards framework version 2019

Revision 2019.07