

Home Power

ovSolar (Omnivoltaic Power Company Limited)

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

Verify online:

www.lightingglobal.org/products/mar-HP170

Valid Until: March 31, 2020



Meets Lighting Global Quality Standards



Mobile Charging



Pay-As-You-Go Option Available

Available Daily Electrical Energy (Wh/day)

170

Lumens

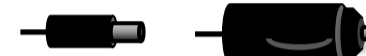
2000

5 Light Points

3 5-volt USB Ports



7 12-volt Ports



Warranty Information

The product including the TV carries a 2-year warranty

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 2000 lumens	included	14	12	7.5	hours
Torch	500 mAh torch/ remote	included	0.2	450	7.7	hours
Television	24" diagonal	included	14	12	3.7	hours
Mobile Phone	Basic phone (3.7Wh)	sold separately	--	34	2	no. of full charges
Smart phone	Smart phone (5.7 Wh battery)	sold separately	--	22	--	no. of full charges

Available daily electrical energy^d (Wh/day): 170

Performance Measure	Brightness Setting: Super
Lighting full battery run time ^e (hours)	12
Total light output in lumens ^f	2000

^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
Main Lighting Unit- 3 lamps on Super	LED	3	1490	144	83	Daylight (>5000 K)	Wide	>99%
Security Lamp- 1 lamp on Super	LED	2	500	143	83	Daylight (>5000 K)	Wide	>99%
Torch	LED	3	31 (front) 36 (side)	115 (front) 140 (side)	86 (front) 83 (side)	Cool (3000-5000 K) (front), Daylight (>5000 K) (side)	Narrow (front) Wide (side)	>98%

^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, 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			
Alternate Combination Run Time Option:				
	Appliance	Description	Used In Combination	Run Time Units
	Main lighting	4 light points on totaling 2000 lumens	5.5	hours
	TV	24" diagonal	5.5	hours
	Smart Phone	Smart phone (5.7 Wh battery)	2.0	no. of full charges

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	1 x 18650 package
Battery capacity	20 Ah
Battery nominal voltage	10.8 V
Battery Status Indication	A green LED will light up 5 light point indicators in a row and this number of light up points will decrease as the battery runs low.

Product Details

Manufacturer name	ovSolar (Omnivoltaic Power Company Limited)
Product name	Home Power
Product model / ID number	HP170-24L3S1
Contact information	info@ovsolar.com
Website	www.ovsolar.com
Dimensions (entire product in package)	not applicable
Weight	5600 g

SSS Information

Specs sheet expiration date	March 31, 2020
Quality Standards Framework Version	2018
Revision	2018.03