

HP30B

ovSolar Power Company Limited

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

Verify online:

www.lightingglobal.org/products/mar-HP30B

Valid until: May 30, 2021



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

3

Light point(s)



Plug-and-play



WARRANTY INFORMATION

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

PERFORMANCE DETAILS

	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination ^c
included in kit	Power box	3 light points on Super totaling 570 lumens and 5 W	5.1 hours	4 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	4.7 full charge(s)	1 full charge(s)

Available daily electrical energy^c (Wh/day) 23

Performance measure	Brightness setting: Super
Lighting full battery run time ^d for main unit (hours)	6.2
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	2900

^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
Ceiling lamp	3	3	Super	190	120	83	5500	Wide	99%
			Normal	78	--	83	5600	Wide	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 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

PORTS		
2	USB 2.0 type A	 <p>Two 5V USB ports for mobile charging. Adapters are not included.</p>
3	Barrel jack	 <p>Three 3.3V barrel jacks for included lighting.</p>
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, physical ingress protection.
Level of water protection	Power box	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure.
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		8 watts
BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Lithium-ion
Battery package type		18650
Battery capacity		10 Ah
Battery nominal voltage		3.7 V
Battery status indication		There are 5 indicators in total: 1 indicating charging status, and 4 to indicate battery state of charge.
PRODUCT DETAILS		
Manufacturer name		ovSolar Power Company Limited
Product name		HP30B
Product model / ID number		HP30B-VL3
Contact information		hr@ovsolar.com
Website		http://ovsolar.com/
Dimensions (entire product in package)		36 x 25 x 27 cm
Mass		3290 g
SSS INFORMATION		
Specs sheet expiration date		May 30, 2021
Quality standards framework version		2019
Revision		2019.05