

HP30B Multi-light System

HP30B-VL3T

ovSolar Power Company Ltd.

Verify online:

<https://data.verasol.org/products/sek/ovs-hp30b>

Valid until: April 30, 2024

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits



Mobile charging

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects for the full system.

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	3 UFO lights on "Super" totaling 600 lumens and 5.3 W power	5.7 hours	3.5 hours
yes	included	Torch	54 lumen torch, (Li-ion battery: 2 Ah, 3.7 V)	18 hours	3.5 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	4.4 full charge(s)	0.87 full charge(s)

Available daily electrical energy ^c (Wh/day)	20
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Performance measure	Brightness setting: Three UFO lights on "Super", one torch on "Super"
Lighting full battery run time ^d for main unit (hours)	7.2
Lighting full battery run time of the Torch powered by Torch battery (hours)	24
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	2810

^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
UFO light	3	3	Super	200	110	88	5900	Wide	99%
Torch	1	3	Super	54	58	91	3700	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	 Mobile phones and torch can be charged. Adapters are included.
3	Barrel jack	 12 V ports available to power light points.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test (Torch), Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
	Torch	Has protection from occasional rain; met with appropriate warning label
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		7.4 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry		Lithium-ion
Specific Li-ion battery chemistry		lithium nickel manganese cobalt oxide
Battery package type		18650
Battery capacity		10 Ah
Battery nominal voltage		3.7 V
Battery status/ other indicator lights		Main unit: One indicator for PV charging and four indicators for battery level. Torch: One indicator that shows charging status and use.
PRODUCT DETAILS		
Manufacturer name		ovSolar Power Company Ltd.
Product name		HP30B Multi-light System
Product model / ID number		HP30B-VL3T
Contact information		hczheng@ovsolar.com
Website		ovsolar.com
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.
Mass		Multiple packages. Contact manufacturer for more information.
SSS INFORMATION		
Specs sheet expiration date		April 30, 2024
Revision		2022.04