

Villageboom High Power +

VB-SHS-10W-1L

Brand name: Villageboom

Verify online:

<https://data.verasol.org/products/sek/vb-vbh>

Results based on test procedures detailed in IEC TS 62257-9-5:2024

Valid until:

September 30, 2028



Meets the Requirements in IEC TS 62257-9-8:2025 for Size A kits

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

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

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	Total light output [lumens]
high	8 LEDs, 2.5 W power	5.4 hours	330 lumens
torch	5 LEDs, 1.3 W power	15 hours	83 lumens
medium	4 LEDs, 1 W power	19 hours	not tested

Available Daily Electrical Energy [Wh/day]	19
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Performance measure	Brightness setting: One light on high
Lighting full battery run time [hours]	5.4
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1780

LIGHTING DETAILS									
Lamp name	Number of lamps	Number of settings	Setting name	Light output [lm]	Power Consumption [W]	Lumen efficacy* [lm/W]	CRI**	CCT***	Lumen maintenance****
Integrated lamp	1	3	high	330	2.5	130	72	5000	97
			torch	83	1.3	66	72	9800	99
			medium	not tested	1	not tested	not tested	not tested	not tested

* Lumen efficacy is the power consumption at a light point during the light output test.

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

*** Correlated Color Temperature in kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

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

DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit	Has protection from occasional rain; met with appropriate warning label
	PV module	Permanent rooftop installation for PV modules
SOLAR DETAILS		
PV Module Type		Monocrystalline silicon
PV Maximum Power		10 W
PV Rated Power		10 W
PV Open-Circuit Voltage (V _{OC})		7.4 V
MAIN UNIT BATTERY DETAILS		
Battery Replaceability		Easily replaceable with common tools.
Battery Chemistry		Lithium-ion
Specific Li-ion Battery Chemistry		lithium cobalt oxide
Battery Package Type		18650
Battery Capacity (tested)		5.3 Ah
Battery Capacity (rated)		5.2 Ah
Battery Nominal Voltage		3.7 V
Battery status / other indicator lights		One indicator on the main unit that indicates PV charging
PRODUCT DETAILS		
Company Name (full)		Villageboom GmbH
Company Name ("brand")		Villageboom
Product Name		Villageboom High Power +
Product Model or ID Number		VB-SHS-10W-1L
Company Contact Information		ricke@villageboom.com
Company Website		https://villageboom.com/
Mass		n/a
SSS INFORMATION		
Expiration Date		September 30, 2028
Revision		2025.09