

Solar Home 625

SH625

Brand name: BioLite

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

Verify online:

<https://data.verasol.org/products/sek/bio-sh625>

Valid until: April 30, 2027



Meets the Requirements in IEC TS 62257-9-8:2020 for Size A kits



Mobile charging

PAYG

Pay-As-You-Go option available

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covers manufacturing defects for the entire product.

PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	4 light points on high totaling 470 lumens and 3.35 W power	6.0 hours	4.5 hours
yes	included	Integrated Radio	Integrated radio with a power consumption of 0.34 W while in use	69 hours	3.4 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	4.5 full charge(s)	1.1 full charge(s)

Available daily electrical energy ^c (Wh/day)	21
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Performance measure	Brightness setting: high
Lighting full battery run time ^d for main unit (hours)	6
Total lighting service (lumen-hours / solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	2820

^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 name	Light output (lm)	Power consumption (W)	Lumen efficacy ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Hanging Light	2	3	High	130	0.89	160	80	5000	Wide	100%
Motion Sensor Light	1	3	High	130	0.97	150	80	5000	not tested	100%
Integrated Light	1	3	High	80	0.61	140	80	5000	Wide	100%

^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 can be charged. Adapter is included.
2	Barrel jack		12V port available to power included light points.
DURABILITY			
Overall durability and workmanship			Pass
Durability tests passed			Switch test, 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	
SOLAR DETAILS			
PV module type		Polycrystalline silicon	
PV maximum power		6.4 W	
PV rated power		6.4 W	
PV open-circuit voltage (V _{OC})		15 V	
MAIN UNIT BATTERY DETAILS			
Battery replaceability		Not easily replaceable with common tools.	
Battery chemistry		Lithium iron phosphate	
Battery package type		26650	
Battery capacity		3.9 Ah	
Rated Battery capacity		3.8 Ah	
Battery nominal voltage		6.4 V	
Battery status / other indicator lights		One screen on the front of the control box that shows the battery level, time, solar strength, radio, payment, and serial number.	
PRODUCT DETAILS			
Company name		BioLite Inc.	
Brand Name		BioLite	
Product name		Solar Home 625	
Product model / ID number		SH625	
Contact information		ethan@bioliteenergy.com	
Website		www.bioliteenergy.com/	
Dimensions (entire product in package)		30 x 19 x 20 cm	
Mass		2360 g	
SSS INFORMATION			
Specs sheet expiration date		April 30, 2027	
Revision		2025.06	