

# Solar Home 620

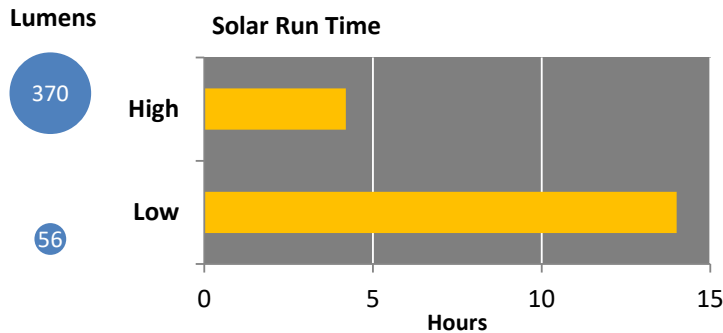
BioLite, Inc.

Verify Online:

[www.lightingglobal.org/products/bio-sh620](http://www.lightingglobal.org/products/bio-sh620)

Results based on test procedures detailed in IEC 62257-9-5, ed. 3.0

Valid Until: October 31, 2019



Meets Lighting Global Quality Standards



Mobile Charging

4 Light Points

**PAYG** Pay-As-You-Go Enabled (SHX1001, SHX1002)

## Warranty Information

A 2-year warranty covering manufacturing defects.

## Performance Details

Performance Measure	Brightness Setting***	
	High	Low
Full battery run time* (hours)	4.9	22
Run time per day of solar charging* (hours)	4.2	14
Total light output (lumens)	370	56
Total area with illumination > 50 lux** (m <sup>2</sup> )	--	--
Total lighting service (lumen-hours / solar-day)	1600	780

\* 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.

\*\* Total area with illumination > 50 lux is determined by the maximum area with adequate illumination at a 0.75 m distance and at the distance from which the product would normally provide task lighting service.

\*\*\* Additional brightness settings (not tested): Medium

## Lighting Details

Lamp type	LED
Description of light points	Four LEDs with a frosted cover in the each of three hanging lights and one light on the control box
Colour characteristics	CRI 74 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	100% of the original output remains after 2,000 hours run time

### Special Features

Mobile charging	Adapters included to charge mobile phone from battery
Radio	Integrated radio with MP3 function
Pay-As-You-Go	PAYG enabled (SHX1001, SHX1002)

### Durability

Overall durability and workmanship	Pass
Durability tests passed	Switch and connector cycling, strain relief test, physical ingress protection test. Water ingress protection not tested; meant for indoor use only.

### Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	6.3 watts

### Battery Details

Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	2x 26650 2S1P
Battery capacity	3400 mAh
Battery nominal voltage	6.5 V
Appropriate battery protection circuit	Pass

### Marks and Certifications

Factory certification	ISO 14001: 2004 ISO 9001:2008
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### Product Details

Manufacturer name	BioLite, Inc.
Product name	Solar Home 620
Product model / ID number	SHX1001 (locked), SHX1101 (unlocked), SHX1002 (Angaza)
Contact information	<a href="mailto:Ethan@bioliteenergy.com">Ethan@bioliteenergy.com</a>
Website	<a href="http://www.bioliteenergy.com">www.bioliteenergy.com</a>

### SSS Information

Specs sheet expiration date	October 31, 2019
Quality Standards Framework Version	2017
Revision	2017.04