

Solar Home 620

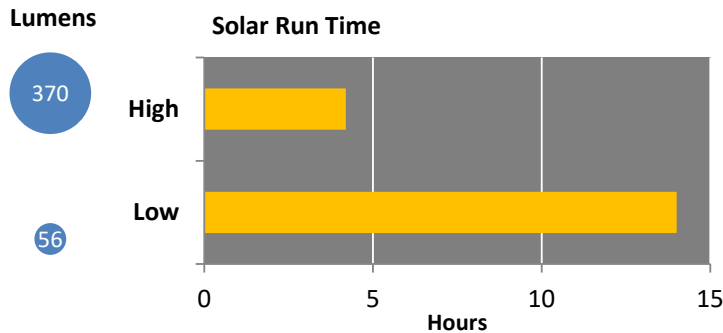
BioLite, Inc.

Verify Online:

www.lightingglobal.org/products/bio-sh620

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

Valid Until: November 30, 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 ²)	--	--
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
-----------------------	-------------------------------

Product Details

Manufacturer name	BioLite, Inc.
Product name	Solar Home 620
Product model / ID number	SHX1001 (locked), SHX1101 (unlocked), SHX1002 (Angaza)
Contact information	Ethan@bioliteenergy.com
Website	www.bioliteenergy.com

SSS Information

Specs sheet expiration date	November 30, 2019
Quality Standards Framework Version	2017
Revision	2017.04