

Solar Home Power Station with 3 Light Bulbs and Flashlight

Power Equation

Verify Online:

Results based on test procedures detailed in IEC 62257-9-5, ed. 2.0

www.lightingglobal.org/products/ri-hpsf

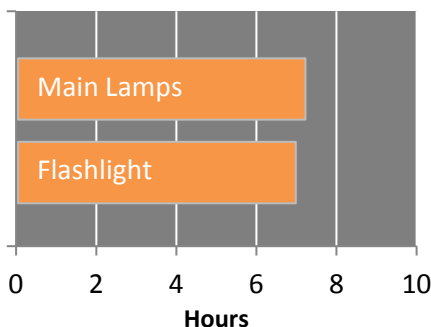
Valid Until: April 30, 2019

Lumens

Solar Run Time

344

Main Lamps and Flashlight on High



Meets Lighting Global Quality Standards



Mobile Charging

4

Light Points

Warranty Information

A 1-year warranty covering manufacturing defects.

Performance Details

Performance Measure	Brightness Setting***			
	Main Lamps and Flashlight on High	Main Lamps High	Flashlight High	Flashlight Low
Full battery run time* (hours)	--	11	7.5	22.6
Run time per day of solar charging* (hours)	7.7 (Main Lamps) 7.2 (Flashlight)	9	--	--
Total light output (lumens)	320 (Main Lamps) 24 (Flashlight)	320	24	8
Total lighting service (lumen-hours / solar-day)	2600	2900	--	--

* 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.

*** Additional brightness settings (not tested): Main Lamps Low

Lighting Details

Lamp type	LED
Description of light points	Six LEDs in each of 3 light bulbs and one LED in the flashlight with a transparent cover.
Colour characteristics	CRI Main Light 85; Flashlight 83 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
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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 for Main Lights; meant for indoor use only. Flashlight has protection from occasional rain

Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	10 watts

Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Main Unit: Lithium Ion Flashlight: Lithium Iron Phosphate
Battery package type	Main Unit: 4 x 18650
Battery capacity	Main Unit: 8600 mAh Flashlight: 550 mAh
Battery nominal voltage	3.7 V
Appropriate battery protection circuit	Pass

Marks and Certifications

Other Certification	IEC 60950-1:2005
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Product Details

Manufacturer name	Power Equation
Product name	Solar Home Power Station with 3 Light Bulbs and Flashlight
Product model / ID number	PEQS063
Contact information	richard@renewit.com
Website	www.renewit.com

SSS Information

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