

# Solar Home Power Station with 3 Light Bulbs and Flashlight

## Power Equation

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

Verify Online: [www.lightingglobal.org/products/ri-hpsf](http://www.lightingglobal.org/products/ri-hpsf)

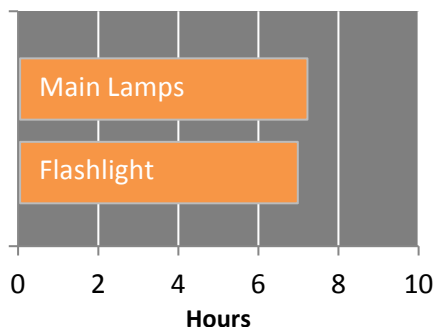
Valid Until: April 30, 2019

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