

# Energy Station Basic

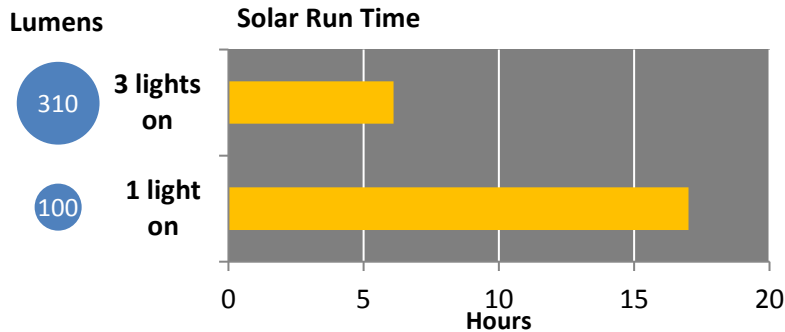
OffgridSun

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

Verify Online:

[www.lightingglobal.org/products/os-esb](http://www.lightingglobal.org/products/os-esb)

Valid Until: August 31, 2019



 **Meets Lighting Global Quality Standards**

 **Mobile Charging**

**3 Light Points**

## Warranty Information

A 1-year warranty covering manufacturing defects.

## Performance Details

Performance Measure	Brightness Setting**	
	3 lights on	1 light on
Full battery run time* (hours)	11	30
Run time per day of solar charging* (hours)	6.1	17
Total light output (lumens)	310	100
Total lighting service (lumen-hours / solar-day)	1900	1700

\* 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): 2 lights on

## Lighting Details

Lamp type	LED
Description of light points	6 LEDs per bulb
Colour characteristics	CRI 77 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	102% 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	Drop test, 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	4.8 watts

**Battery Details**

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	6 x 18650
Battery capacity	4400 mAh
Battery nominal voltage	6.4 V
Appropriate battery protection circuit	Pass

**Marks and Certifications**

Factory certification	ISO 9001:2008
Other Certification	CE

**Product Details**

Manufacturer name	OffgridSun
Product name	Energy Station Basic
Product model / ID number	--
Contact information	n.baggio@offgridsun.com
Website	www.offgridsun.com

**SSS Information**

Specs sheet expiration date	August 31, 2019
Quality Standards Framework Version	2017
Revision	2017.08