

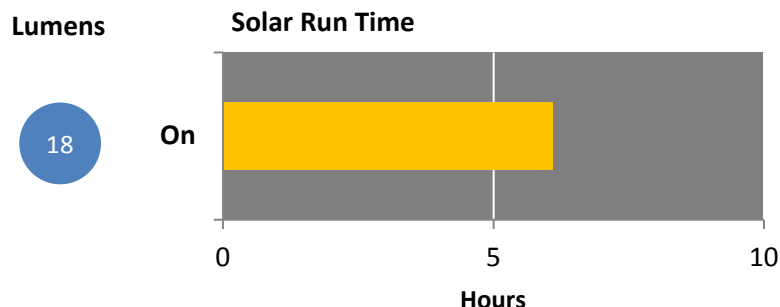
# SM100 Solar Light

Yingli Green Energy Europe GmbH

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

Verify Online: [www.lightingglobal.org/products/yl-sm100](http://www.lightingglobal.org/products/yl-sm100)

Valid Until: April 30, 2019



 **Meets Lighting Global Quality Standards**

**1 Light Point**

## Warranty Information

A 1-year warranty covering manufacturing defects.

## Performance Details

Performance Measure	Brightness Setting
	On
Full battery run time* (hours)	7.6
Run time per day of solar charging* (hours)	6.1
Total light output (lumens)	18
Total lighting service (lumen-hours / solar-day)	110

\* 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.

## Lighting Details

Lamp type	LED
Description of light points	One LED inside the frosted cover
Colour characteristics	CRI 77 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	101% of the original output remains after 2,000 hours run time

## Special Features

Metal Stand	Stand can be used to hold or hang the lantern
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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. protection from frequent rain

**Solar Details**

PV module type	Polycrystalline silicon
PV maximum power point	0.27 watts

**Battery Details**

Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	1x 14500
Battery capacity	360 mAh
Battery nominal voltage	3.2 V
Appropriate battery protection circuit	Pass

**Product Details**

Manufacturer name	Yingli Green Energy Europe GmbH
Product name	SM100 Solar Light
Product model / ID number	SM100
Contact information	massimo.lisanti@yingliprojects.com

**SSS Information**

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