

SM100 Solar Light

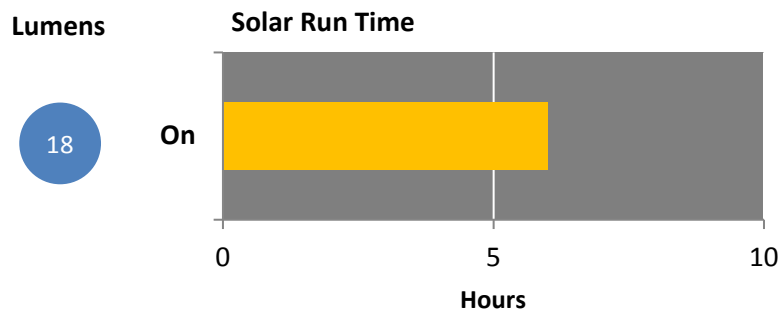
Yingli Green Energy Europe GmbH

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

Verify Online:

www.lightingglobal.org/products/yl-sm100

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)	12
Run time per day of solar charging* (hours)	6
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	580 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