

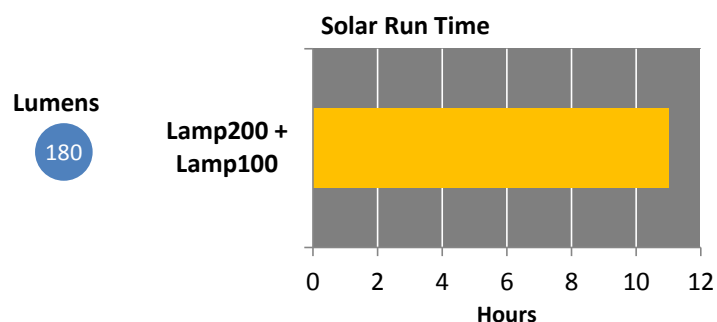
# Pico Solar Home System 7000

fosera Group

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

Verify Online: [www.lightingglobal.org/products/fs-pshs7000](http://www.lightingglobal.org/products/fs-pshs7000)

Valid Until: January 2015



Meets Lighting Global Minimum  
Quality Standards

2 Light Points



## Warranty Information

A 2-year warranty for the battery and a 3-year warranty for the electronics.

## Performance Details

	Brightness Setting***
Performance Measure	Lamp200 + Lamp100
Full battery run time* (hours)	14
Run time per day of solar charging* (hours)	11
Total light output (lumens)	180
Total area with illumination > 25 lux** (m <sup>2</sup> )	0.66
Total lighting service (lumen-hours / solar-day)	2000

\* 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.

\*\* Total area with illumination > 25 lux is determined by the maximum area with adequate illumination at a 0.75 m distance and at the distance from which the product would normally provide task lighting service.

\*\*\* Additional brightness settings (not tested): Lamp200, Lamp100

## Lighting Details

Lamp type	LED
Description of light points	One light point with 8 LEDs, one light point with 4 LEDs
Colour characteristics	CRI 66 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	98% of the original output remains after 2,000 hours run time

### Special Features

Optional features	Mobile phone charger to charge mobile phone from battery, radio, extra lamps
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### Durability

Overall durability and workmanship	Pass
Durability tests passed	Switch and connector cycling, strain relief test, physical ingress protection test, and no water ingress protection

### Solar Details

PV module type	Monocrystalline silicon
PV maximum power point	5 watts

### Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Appropriate battery protection circuit	Pass
Replacement batteries are available from the product manufacturer	

### Marks and Certifications

Factory certification	ISO 9001
Other certification	CE, ROHS

### Product Details

Manufacturer name	fosera Group
Product name	Pico Solar Home System 7000
Product model / ID number	Pico Solar Home System 7000
Contact information	info@fosera.com
Website	www.fosera.com

### SSS Information

Specs sheet expiration date	January 2015
Minimum Quality Standards Framework Version	2012
Revision	2014.01