

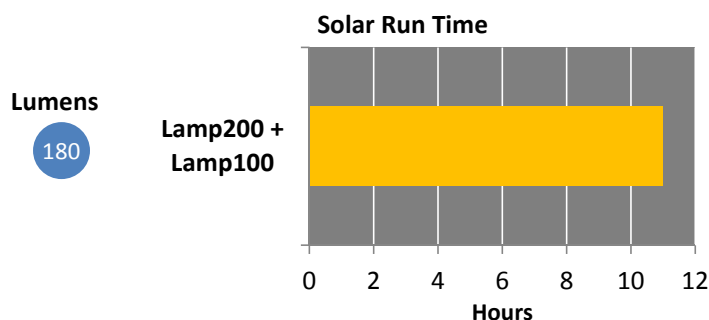
Pico Solar Home System 7000

fosera Group

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

Verify Online: www.lightingglobal.org/products/fs-pshs7000

Valid Until: October, 2014



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

Performance Measure	Brightness Setting***
	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 ²)	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	October, 2014
Minimum Quality Standards Framework Version	2012
Revision	2014.01