

# Lighting Global Standardized Specifications Book

**Manufacturer:** fosera Group

**Component Family Name:** Pico Solar Home System (PSHS)

**Date of Standardized  
Specifications Book Expiration:** July 31, 2017

**Verify Online:** <http://www.lightingglobal.org/products/fs-pshs>

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This Lighting Global Standardized Specifications Book presents a **component-level Standardized Specifications Sheet** listing the available components in the product family by component type, each individual component's performance rating, and performance results for each component tested according to the latest version of the Quality Test Method (QTM) in IEC 62257-9-5. Following the component-level Standardized Specifications Sheet is a **list of the systems** covered by this Specifications Book that use combinations of these components.

**NOTICE:** Systems or kits developed using components from the component family will each perform differently and have not all been evaluated on a system-level basis. All systems listed in this Specifications Book are regarded to have passed the applicable Lighting Global Quality Standards.

**Quality Standards Framework Version:** 2015

**Revision:** 2015.04

# Component-Level Standardized Specifications Sheet

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Pico Solar Home System (PSHS) Family

## Battery / Control Box

Name / Model Number	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
2800 mAh battery	2800	3100
4200 mAh battery	4200	-
7000 mAh battery	7000	7900

## PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
1.5 Wp PV module	1.5	1.8
2.5 Wp PV module	2.5	-
5 Wp PV module	5	4.8

## Light Sources

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	⊖	⊖	⊖
Lamp 100	90	87	115
Lamp 200	180	170	118
fb lamp 50	45	-	-
fb lamp 100	75	-	-

## Mobile Phone Charger

Name / Model Number	Output Current (mA)
Phone Charger	500

**NOTICE:** As indicated, not all components listed on this page were tested according to the Quality Test Method (QTM) in IEC 62257-9-5. However, based on the satisfactory performance of the tested components in the family, the components that were not tested are regarded to have passed the applicable Lighting Global Quality Standards. In addition, all tested components passed an internal inspection, the full array of *applicable* QTM durability tests, as well as ingress protection testing (where applicable).

# List of Covered Systems

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## Pico Solar Home System (PSHS) Family

System Name	Number of each component included in each system										
	Lamp 100	Lamp 200	fb lamp 50	fb lamp 100	2800 mAh battery	4200 mAh battery	7000 mAh battery	1.5 Wp PV module	2.5 Wp PV module	5 Wp PV module	Phone Charger
<b>PSHS 2800*</b>	1				1			1			1
<b>PSHS 4200</b>		1	1			1			1		1
<b>PSHS 7000*</b>		1		2			1			1	1
<b>Solar Charging Station</b>							1			1	2

\*Tested as full systems. Individual SSS available on Lighting Global website.

### **NOTICE:**

Only the Pico Solar Home System 2800 and Pico Solar Home System 7000 were fully tested as systems according to the Quality Test Method (QTM) in IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the Pico Solar Home System 2800 and Pico Solar Home System 7000 at [www.lightingglobal.org/products](http://www.lightingglobal.org/products). Systems that were not tested, but that were developed using components from the component family will perform differently than the system(s) shown in the individual system-level SSS. All systems listed above are regarded to have passed the applicable Lighting

Unless otherwise noted, the following information applies to all listed systems and components:

### **Warranty Information**

A 3-year warranty covering defects in material or workmanship in the product, and a 2-year warranty for the battery.

### **Special Features**

Optional radio	FM/MW/SW band radio with AUX-IN input
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### **Marks and Certifications**

Other certification	CE
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