

Lighting Global Standardized Specifications Book

Manufacturer: Solar Panda Corporation

Component Family Name: Solar Panda Family

**Date of Standardized
Specifications Book Expiration:** December 31, 2021

Verify Online: www.lightingglobal.org/products/panda-family

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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 Edition 4 of 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: 2019

Revision: 2019.12

Component-Level Standardized Specifications Sheet

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Solar Panda Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
3300 mAh Control Unit	Lithium iron phosphate	6.4	3300	3500
6600 mAh Control Unit	Lithium iron phosphate	12.8	6600	not tested
9900 mAh Control Unit	Lithium iron phosphate	12.8	9900	11000
Portable lantern battery	Lithium iron phosphate	3.2	600	610
Flashlight battery	Lithium Ion	3.7	1500	1900

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
12 W PV Module	12	11
25 W PV module	25	not tested
40 W PV module	40	39

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)		Measured Luminous Flux (lm)		Measured Lamp Efficacy (lm/W)	
	High	Low	High	Low	High	Low
Wired Lantern	125	--	120	--	120	--
Portable Lantern	63	--	63	--	160	--
Flashlight	81	--	81	--	57	--

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
24" TV	24" diagonal	--	10	--	--
Radio	portable radio with 3.7 V Li-Ion battery	--	0.5	1000	1000

NOTICE: As indicated, not all components listed on this page were tested according to the Quality Test Method (QTM) in Edition 4 of 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).

*Light points and appliances may perform differently when used with different systems.

List of Covered Systems

Solar Panda Corporation

Solar Panda Family

System Name	Number of each component included in each system										
	wired lantern	portable lantern	flashlight	12 W PV Module	25 W PV Module	40 W PV Module	3300 mAh Control Unit	6600 mAh control unit	9900mAh Control Unit	24" TV	Radio
Home Kit **	4	1	1	1			1				1
TV Upgrade Kit					1			1		1	
TV Premium Kit	6	1	1			1			1	1	1

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

NOTICE:

Only the Solar Panda Home Kit was fully tested as a system according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the Solar Panda Home Kit at 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 Global Quality Standards.

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

Warranty Information

Two year warranty for all control units, solar panel and light bulbs; 1-year warranty for the appliances

Marks and Certifications

Factory certification	ISO 9001:2015
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