

# Lighting Global Standardized Specifications Book

**Manufacturer:** Greenlight Planet

**Component Family Name:** Sun King Home

**Date of Standardized  
Specifications Book Expiration:** November 30, 2019

**Verify Online:** <http://www.lightingglobal.org/products/glp-skhomekit>

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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:** 2017

**Revision:** 2017.11

# Component-Level Standardized Specifications Sheet

Greenlight Planet

Sun King Home Family

## Battery / Control Box

Name / Model Number	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
6 Ah battery	6000	5932
12 Ah Battery	12000	11864

## PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC
6W Solar Panel	6	6.3
10 W Solar Panel	10	not tested
12 W Solar Panel	12	12.3

## Light Sources

Name / Model Number	Luminous Flux Rating (lm)			Measured Luminous Flux (lm)			Measured Lamp Efficacy (lm/W)		
	Turbo	Normal	Low	Turbo	Normal	Low	Turbo	Normal	Low
SK403 Lamp	100	50	20	101	58	33	109	--	119
SK407 Lamp	200	100	40	196	110	61	102	--	113
SK409 Lamp	200	120	40	not tested					
SK125 Portable Lantern	50	25	4	45	23.4	--	116	120	--
SK703 Sun King Motion Sensor*	--	100	--	not tested					

\*Sun King Motion Sensor can be set to provide 100 lm for 30 seconds after detecting motion.

## Appliances

Name / Model Number	Description	Rated Power (W)	Measured Power (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
Sun King Portable Sound System SK710	portable radio with internal battery charges via USB	--	--	650	650

**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

Greenlight Planet

Sun King Home Family

System Name	Number of each component included in each system												
	SK403 Lamp	SK407 Lamp	SK409 Lamp	Radio SK710	SK125 Portable Lantern		SK703 Motion Lamp	PAYG	6 Ah Battery	12 Ah Battery	6 W PV Panel	10W PV Panel	12 W PV Panel
	Digit 1	Digit 2	Digit 3	Digit 4	Digit 5	Digit 6	Digit 7						
SK403 Home 60****	3								1		1		
SK407 Home 120****		3								1			1
SK405 Home 60 Easybuy	3							Y	1		1		
SK406 Home 60 Easybuy	3							Y	1		1		
SK408 Home 120 Easybuy			3					Y		1			1
SK409 Home 120 Easybuy			3					Y		1			1
SK40x*(-XXXXXXX*)-(BP***)	Please refer to the descriptions below regarding this product code												
SK409-0041000			4	1				Y		1			1
SK403-2001000	2			1					1		1		
SK405-1001100	1			1	1			Y	1		1		
SK409-2011000	2		1	1				Y		1			1
SK409-0040001			4				1	Y		1			1
SK405-2010000-6A	2		1					Y	1			1	
SK409-2100000-CC	2	1						Y		1			1
SK403-3000100-6A	3				1				1			1	

These SKUs are interpreted as follows. In SK40x\*(-XXXXXXX\*)-(BP\*\*\*):

\*SK40x includes SK403, SK405, SK406, SK407, SK408 and SK409. Models starting with SK405, SK406, SK408 or SK409 have PAYG built in. Both the PAYG-enabled and non-PAYG versions of the Sun King Home products are regarded to have met the Lighting Global Quality Standards.

\*\* -XXXXXXX represents the qty of seven different appliances which can be included with a system (lamps, radio and portable lanterns). These seven digits would usually not appear in the model number. When the digits are shown, all the components, aside from the PAYG, battery and solar panel, will be changed.

\*\*\*-BP represents customized battery cap and PV wattage of the system. When shown in the model number, the original battery and PV information will be left blank.

B is defined as "6" or "C" in hex, referring to either the 6Ah or 12Ah battery.

P is defined as "6", "A", or "C" in hex, referring to the 6W, 10 W, or 12W PV modules.

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

**NOTICE:**

Only the Sun King Home 60 and Sun King Home 120 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 Sun King Home 60 and the Sun King Home 120 at [www.lightingglobal.org](http://www.lightingglobal.org). 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 on all kits; one year warranty on radio

**Marks and Certifications**

Factory certification	ISO 9001:2008; ISO 14001:2004
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