

Lighting Global Standardized Specifications Book

Manufacturer: Greenlight Planet

Component Family Name: Sun King Home 400 Family

**Date of Standardized
Specifications Book Expiration:** October 31, 2020

Verify Online: <http://www.lightingglobal.org/products/glp-home400family>

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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 or the Lighting Global Quality Assurance Protocol for Solar Home System Kits, as applicable. 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: 2018

Revision: 2018.10

Component-Level Standardized Specifications Sheet

Greenlight Planet

Sun King Home 400 Family

Battery / Control Box

Name / Model Number	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
12.5 Ah NMC battery	12500	12500

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
40 W PV Module	40	38

Light Sources

Name / Model Number	Luminous Flux Rating (lm)			Measured Luminous Flux (lm)			Measured Lamp Efficacy (lm/W)		
	High	Medium	Low	High	Medium	Low	High	Medium	Low
overhead light/ SK409	200	--	--	200	--	47	100	--	--
tubelight/ SK706	400	--	--	370	--	--	160	--	--
motion sensor/ SK703	100	--	--	95	--	--	130	--	--

Appliances

Name / Model Number	Description	Rated Power (W)	Measured Power (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
19" LED TV/ SK-733	DVB-T2 LED TV	8	7.8	--	--
24" LED TV/ SK-735	DVB-T2/S2 LED TV	--	6.9		
32" LED TV/ SK-737	DVB-T2/S2 LED TV	--	11		

NOTICE: As indicated, not all components listed on this page were tested according to the Quality Test Method (QTM) in IEC 62257-9-5 or the Lighting Global Quality Assurance Protocols for Solar Home System Kits. 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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Sun King Home 400 Family

System Name	Number of each component included in each system							
	200 lm overhead lamp SK-409	400 lm tubelight SK-706	motion sensor lamp SK-703	12.5 Ah NMC battery	38 W PV module	19" TV SK-733	24" TV SK-735	32" TV SK-737
Sun King Home 400 Easybuy (SK503/SK505)**	2	2	1	1	1	1		
Sun King Home 400 (SK501)	2	2	1	1	1	1		

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

NOTICE:

Only the Sun King Home 400 Easybuy (SK503/SK505) was fully tested as a system according to the Quality Test Method (QTM) in IEC 62257-9-5 or the Lighting Global Quality Assurance Protocol for Solar Home System Kits, as applicable. Individual Standardized Specifications Sheets (SSS) that report system-level performance is available for the Sun King Home 400 Easybuy (SK503/SK505) 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 on all kits and components

Marks and Certifications

Factory certification