VeraSol
Standardized Specifications Book

Manufacturer: Greenlight Planet

Component Family Name: Sun King Home Family

Date of Standardized Specifications Book Expiration: February 28, 2021

Verify Online: https://data.verasol.org/products/sek/glp-skhomefamily

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This VeraSol 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: 2020
Revision: 2020.11

Component-Level Standardized Specifications Sheet
Greenlight Planet
Sun King Home Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (Ah)	Measured Battery Capacity
6 Ah battery	Lithium iron phosphate	3.3	6000	5900
12 Ah Battery	Lithium iron phosphate	3.3	12000	12000

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
6W Solar Panel	6	6
12 W Solar Panel	12	12

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)			Measured Luminous Flux (lm)			Measured Lamp Efficacy (lm/W)		
	High	Normal	Low	High	Normal	Low	High	Normal	Low
SK403 Lamp	100	50	20	100	58	--	110	120	--
SK407 / SK409 Lamp	200	120	40	230	140	51	130	140	140
SK703 Motion Sensor Lamp*	100	--	--	95	--	--	130	--	--

*Sun King Motion Sensor Lamp can be set to provide light for 30 seconds after detecting motion

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (Ah)	Measured Battery Capacity (Ah)
Sun King Portable Sound System SK710	portable radio with internal battery; charges via USB	--	--	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
Greenlight Planet
Sun King Home Family

| System Name | Number of each component included in each system ||||||||||
| | Primary Lamps |||| | | Batteries || PV Modules ||
	SK403 Lamp	SK407 Lamp	SK409 Lamp	SK703 Motion Sensor Lamp	Radio SK710	PAYG	6 Ah Battery	12 Ah Battery	6 W PV Module	12 W PV Module
SK403 Sun King Home 60***	3						1		1	
SK405 Sun King Home 60 Easybuy	3					Y	1		1	
SK406 Sun King Home 60 Easybuy	3					Y	1		1	
SK407 Sun King Home 120***		3						1		1
SK409 Sun King Home 120 Easybuy			3			Y		1		1
SK414 Sun King Home 120 Easybuy			4			Y		1		1
SK415 Sun King Home 120Plus Easybuy			4	1		Y		1		1

NOTICE:

Only the Sun King Home 60 and Sun King Home 120 were fully tested as systems according to Edition 4 of 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 https.data.verasol.org/products/sek/ 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 9001:2015; ISO 14001:2015 |