

VeraSol

Standardized Specifications Book

Company Name: Greenlight Planet Inc.

Brand Name: Sun King

Component Family Name: Sun King HomePlus Family

Family Expiration Date September 30, 2026

Verify Online: <https://data.verasol.org/products/sek/glp-skhomeplusfam>

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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 IEC TS 62257-9-8.

Quality Standards Framework Version: 2024

Revision: 2025.09

Component-Level Standardized Specifications Sheet

Greenlight Planet Inc.
Sun King HomePlus Family

Batteries / Control Boxes				
Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
12 Ah battery	Lithium iron phosphate	3.2	12000	12000
6 Ah battery	Lithium iron phosphate	3.2	6000	6100
Torch battery	Lithium iron phosphate	3.7	2550	2600

PV Modules		
Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
13 W Monocrystalline PV module	13	11
10 W Monocrystalline PV module	10	Not tested
7 W Monocrystalline PV module	7	6.6

Light Sources*												
Name / Model Number	Luminous Flux Rating (lm)				Measured Luminous Flux (lm)				Measured Lamp Efficacy (lm/W)			
	turbo	normal	low power	Turbo	turbo	normal	low power	Turbo	turbo	normal	low power	Turbo
Tubelight (SK-741)	240	120	25	-	240	130	Not Tested	-	170	170	Not Tested	-
Hanging Light (SK-740)	120	60	15	-	140	Not Tested	Not Tested	-	170	Not Tested	Not Tested	-
Torch (SK-781)	-	-	-	300	-	-	-	270	-	-	-	80

Appliances*					
Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
Torch (SK-781)	270 lumens torch, (LiFePO4] battery: 2.6 Ah, 3.7 V)	3.6	3.3	2550	2600

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

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 IEC TS 62257-9-8:2020. 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).

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**Tested as full systems. Individual SSS available on VeraSol website.

NOTICE:

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

A 2-year warranty covering manufacturing defects in the system.

Available Daily Electrical Energy and Port Information

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System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
Sun King HomePlus Pro (SK-429) °**	33	yes
Sun King HomePlus (SK-427) °	17	yes
Sun King HomePlus Eco (SK-426) °	17	yes

**Tested as full systems. Individual SSS available on VeraSol website.

° Kit has PAYG function.

NOTICE:

The available daily electrical energy (Wh/day) is calculated for fully tested systems following the energy service calculations as described in IEC/TS 62257-9-5 Ed. 4. For products in a family that are not tested as a full system, estimations of available daily electrical energy (Wh/day) are calculated according to an alternative method using data from the test reports of fully-tested products and components.