Home 120 Plus With EasyBuy

SK-425
Brand name: Sun King
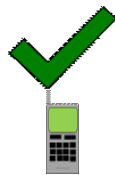Results based on test procedures detailed in IEC TS 62257-9-5:2018 and IEC TS 62257-9-8:2020

Verify online:
https://data.verasol.org/products/sek/glp-skhome120plus
Valid until: November 30, 2027

✔ **Meets the Requirements in IEC TS 62257-9-8:2020 for Size B kits**

Mobile charging

PAYG **Pay-As-You-Go option available**

5 **Light point(s)**

▶ **Plug-and-play**

WARRANTY INFORMATION

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

PERFORMANCE DETAILS

VeraSol Certified?	Included in kit?	Appliance[a]	Description	Run time after a typical day of solar charging (assuming 5kWh/m^2/day)	
				Used alone[b]	Used in combination[c]
yes	included	Main lighting unit	5 light points on Turbo totaling 950 lumens and 7.2 W power	9.2 hours	7.9 hours
no	not included	Radio	Portable radio (Li-ion battery: 1 Ah, 3.7 V) with power consumption of 0.5 W while in use	6.6 hours	91 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	2.2 full charge(s)	12 full charge(s)

Available daily electrical energy [Wh/day]	57

Performance measure	Brightness setting: Five lights on turbo
Lighting full battery run time for main unit [hours]	9.2
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	8740

[a] Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

[b] Without any other loads used during the run time

[c] Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

[d] Lighting full battery run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting name	Light output [lm]	Power Consumption [W]	Lumen efficacy[e] [lm/W]	CRI[f]	CCT[g]	Lumen maintenance[h]
Hanging lamp	4	3	turbo	210	1.6	180	71	5030	100
Motion sensor lamp	1	1	on	110	0.76	140	71	4890	100

[e] Lumen efficacy is the power consumption at a light point during the light output test.

[f] Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

[g] Correlated Color Temperature in kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K).

[h] Percent of the original light output that remains after 2,000 hours of run time.

Lamp name	Number of lamps	Number of settings	Setting name	Light output [lm]	Power Consumption [W]	Lumen efficacy[e] [lm/W]	CRI[f]	CCT[g]	Lumen maintenance[h]

PORTS

2	**USB 2.0 type A**		Mobile phones and radios can be charged. Adapters are included.
4	**Barrel jack**		12 V ports available to power light points.

DURABILITY

Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Permanent rooftop installation for PV modules
	Hanging lamp	Water ingress protection not tested, meant for indoor use only.
	Motion sensor lamp	Has protection from permanent outdoor exposure; met IPX5

SOLAR DETAILS

PV Module Type	Polycrystalline silicon
PV Maximum Power	19 W
PV Rated Power	20 W
PV Open-Circuit Voltage (V_{OC})	19.5 V

MAIN UNIT BATTERY DETAILS

Battery Replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery Chemistry	Lithium-ion
Specific Li-ion Battery Chemistry	lithium nickel manganese cobalt oxide
Battery Package Type	18650
Battery Capacity (tested)	5.2 Ah
Battery Capacity (rated)	5.1 Ah
Battery Nominal Voltage	11.1 V
Battery status / other indicator lights	Five LED lights on the main unit indicate battery life

PRODUCT DETAILS

Company Name (full)	Greenlight Planet Inc.
Company Name ("brand")	Sun King
Product Name	Home 120 Plus With EasyBuy
Product Model or ID Number	SK-425
Company Contact Information	sales@sunking.com
Company Website	www.sunking.com
Mass	n/a

SSS INFORMATION

Expiration Date	November 30, 2027
Revision	2025.10