Home 120 / Home 120 EasyBuy
SK-407 / SK-409
Brand name: Sun King

Verify online:
https://data.verasol.org/products/sek/glp-skhome120
Valid until: July 31, 2026

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8

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

Mobile charging

PAYG Pay-As-You-Go option available

3 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	3 light points on Turbo totaling 610 lumens and 3.6 W power	6.7 hours	5.5 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	5.4 full charge(s)	1.4 full charge(s)

Available daily electrical energy[c] (Wh/day)	26

Performance measure	Brightness setting: Three lights on Turbo
Lighting full battery run time[d] for main unit (hours)	6.7
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	4090

[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	Light output (lm)	Power consumption (W)	Lumen efficacy[e] (lm/W)	CRI[f]	CCT[g]	Distribution type	Lumen maintenance[h]
Hanging lamp	3	3	Turbo	200	1.2	160	71	4800	Wide	100%
			Normal	120	0.72	160	71	4800	not tested	
			Low	not tested	0.24	not tested	not tested	not tested	not tested	

[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 degrees 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

SPECIAL FEATURES			
PAYG	⭐	**The Home 120 with Easybuy (SK-409) is Pay-As-You-Go enabled.** **The Home 120 (SK-407) is the non-PAYG version.**	

PORTS			
1	**USB 2.0 type A**		Mobile phones can be charged. Adapters are included.
2	**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	Has protection from permanent outdoor exposure
	Hanging lamp	Water ingress protection not tested, meant for indoor use only.

SOLAR DETAILS	
PV module type	Polycrystalline silicon
PV maximum power	11 watts
PV rated power	12 watts
PV nominal voltage	5.8 volts

MAIN UNIT BATTERY DETAILS	
Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Lithium iron phosphate
Battery package type	4x 18650
Battery capacity	13 Ah
Battery nominal voltage	3.3 V
Battery status/ other indicator lights	Five LEDs indicate battery status.

PRODUCT DETAILS	
Company name	Greenlight Planet Inc.
Brand Name	Sun King
Product name	Home 120 / Home 120 EasyBuy
Product model / ID number	SK-407 / SK-409
Contact information	sales@sunking.com
Website	www.sunking.com
Dimensions (entire product in package)	Multiple packages. Contact manufacturer for more information.
Mass	n/a

SSS INFORMATION	
Specs sheet expiration date	July 31, 2026
Revision	2024.07