

Sun King HomePlus Pro

SK-429

Brand name: Sun King

Verify online:

<https://data.verasol.org/products/sek/gjp-skhomepluspro>

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

Valid until: September 30, 2026



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



Mobile charging

PAYG

Pay-As-You-Go option available

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

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

PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	4 light points on turbo totaling 970 lumens and 5.9 W power	5.3 hours	4.8 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	6.5 full charge(s)	1.2 full charge(s)

Available daily electrical energy ^e (Wh/day)	33
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Performance measure	Brightness setting: 4 lights on turbo
Lighting full battery run time ^d for main unit (hours)	5.3
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	5140

^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 ^a (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Tubelight	4	3	turbo	240	1.5	170	80	5700	Wide	100%
			normal	130	0.76					
			low power	Not Tested	0.17	Not Tested	Not Tested	Not Tested		

^a 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

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
	Tubelight	Water ingress protection not tested, meant for indoor use only.
SOLAR DETAILS		
PV module type		Monocrystalline silicon
PV maximum power		11 watts
PV rated power		13 watts
PV nominal voltage		13.6 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		2x 32700
Battery capacity		12 Ah
Battery nominal voltage		3.2 V
Battery status/ other indicator lights		Five LED indicators show battery status
PRODUCT DETAILS		
Company name		Greenlight Planet Inc.
Brand Name		Sun King
Product name		Sun King HomePlus Pro
Product model / ID number		SK-429
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		September 30, 2026
Revision		2024.09