

# Sun King Home 600 GSM

SK-518

Brand name: Sun King

Verify online:

<https://data.verasol.org/products/sek/sk-home600>

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

Valid until: November 30, 2025



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 that covers manufacturing defects in the system

## PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	
VeraSol Certified?	Included in Kit?	Appliance <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>
yes	included	Main lighting unit	5 light points on turbo totalling 1250 lumens and 7.8 Wpower	15 hours	11 hours
yes	included	Television	24" diagonal television (6.8 W power consumption while in use)	24 hours	5.8 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	25 full charge(s)	3.1 full charge(s)

Available daily electrical energy<sup>c</sup> (Wh/day) 180

Performance measure	Brightness setting: turbo
Lighting full battery run time <sup>d</sup> for main unit (hours)	15
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	19300

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> 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 <sup>e</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type
Tube Light	2	3	turbo	360	160	72	6200	130	Wide
Hanging lamp	2	3	turbo	210	180	71	4800	120	Wide
Motion sensing security lamp	1	1	on	110	140	71	4300	124	Wide

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

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 charge devices and power appliances and 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
	Tube light	Water ingress protection not tested, meant for indoor use only.
	Hanging lamp	Water ingress protection not tested, meant for indoor use only.
	Motion sensing security lamp	Has protection from permanent outdoor exposure; met IPX5
SOLAR DETAILS		
PV module type		Monocrystalline silicon
PV maximum power		61 watts
PV rated power		60 watts
PV nominal voltage		22.5 volts
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 cobalt oxide
Battery package type		15x 18650
Battery capacity		13 Ah
Battery nominal voltage		11.1 V
Battery status/ other indicator lights		5 LEDs tat indicate battery life.
PRODUCT DETAILS		
Company name		Greenlight Planet
Brand Name		Sun King
Product name		Sun King Home 600 GSM
Product model / ID number		SK-518
Contact information		sales@sunking.com
Website		www.sunking.com
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.
Mass		9060 g
SSS INFORMATION		
Specs sheet expiration date		November 30, 2025
Revision		2024.06