

Sun King Home 60

SK405
Greenlight Planet

Verify online:
<https://data.verasol.org/products/sek/glp-skhome>
Valid until: June 30, 2022

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



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

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 300 lumens and .5 W power | 5.2 hours | 4 hours |
| no | not included | Mobile phone | Basic phone (3.7 Wh battery) | 3 full charge(s) | 1 full charge(s) |

| | |
|---|----|
| Available daily electrical energy ^e (Wh/day) | 14 |
|---|----|

| Performance measure | Brightness setting: Turbo |
|---|---------------------------|
| Lighting full battery run time ^d for main unit (hours) | 5.2 |
| Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product) | 1610 |

^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) | Lumen efficacy ^e (lm/W) | CRI ^f | CCT ^g | Distribution type | Lumen maintenance ^h |
|-------------|-----------------|--------------------|---------|-------------------|------------------------------------|------------------|------------------|-------------------|--------------------------------|
| 100 lm lamp | 3 | 3 | Turbo | 100 | 110 | 65 | 4230 | Wide | 100% |
| | | | Normal | 58 | 140 | -- | -- | | - not tested - |
| | | | Low | -- | -- | -- | -- | | - 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

| PORTS | | |
|--|----------------|--|
| 2 | USB 2.0 type A |  Mobile phones can be charged, adaptors are included. |
| 2 | Barrel jack |  Two 12 V barrel jacks available to power light points only. |
| DURABILITY | | |
| Overall durability and workmanship | | Pass |
| Durability tests passed | | Switch test, Drop test, Strain relief test, Physical ingress protection |
| Level of water protection | Main Unit | Has protection from occasional rain; met IPX1 |
| | PV module | Has protection from permanent outdoor exposure |
| SOLAR DETAILS | | |
| PV module type | | Polycrystalline silicon |
| PV maximum power | | 6.1 watts |
| 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 | | 4x18650 |
| Battery capacity | | 5.9 Ah |
| Battery nominal voltage | | 3.3 V |
| Battery status indication | | Five digital LED meter to display the remaining battery power and five digital LED meter to display charge effectiveness on a scale of 1 to 5 to help optimize solar module placement. |
| MARKS AND CERTIFICATIONS | | |
| Factory certification | | ISO 14001:2015, ISO 9001:2015 |
| PRODUCT DETAILS | | |
| Manufacturer name | | Greenlight Planet |
| Product name | | Sun King Home 60 |
| Product model / ID number | | SK405 |
| Contact information | | sales@greenlightplanet.com |
| Website | | www.greenlightplanet.com |
| Dimensions (entire product in package) | | 31 x 16 x 19 cm |
| Mass | | 2437 g |
| SSS INFORMATION | | |
| Specs sheet expiration date | | June 30, 2022 |
| Quality standards framework version | | 2020 |
| Revision | | 2021.05 |