

Sun King Boom/ EasyBuy

SK-321/ SK-322
Greenlight Planet

Results based on test procedures detailed in
IEC 62257-9-5 v.4

Verify online:

<https://data.verasol.org/products/sek/glp-skboom>

Valid until: April 30, 2022



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available (SK-322)

1

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) | |
|-----------------|------------------------|---|---|----------------------------------|
| | Appliance ^a | Description | Used alone ^b | Used in combination ^c |
| included in kit | Integrated Lamp | One light point totalling 170 lumens on Turbo and 1.2 W | 6.6 hours | 2.9 hours |
| | Integrated Radio | integrated radio that consumes 0.42 W while in-use. | 21 hours | 2.2 hours |
| sold separately | Mobile phone | Basic phone (3.7 Wh battery) | 1.5 full charge(s) | 0.75 full charge(s) |

Available daily electrical energy^c (Wh/day) 8

Performance measure

Brightness setting: Turbo

| | |
|---|------|
| Lighting full battery run time ^d for main unit (hours) | 6.6 |
| Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product) | 1090 |

^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 |
|-----------------|-----------------|--------------------|---------|-------------------|------------------------------------|------------------|------------------|-------------------|--------------------------------|
| Integrated lamp | 1 | 3 | Turbo | 170 | 130 | 72 | 5000 | Wide | 100% |
| | | | Low | 27 | 130 | 72 | 4900 | | |

^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** ★ **SK-322 has Pay-As-You-Go (PAYG) feature****Enclosure** ★ **Made from ABS and polycarbonate plastic****PORTS****1****USB 2.0 type A**

Mobile phones can be charged. Adapters are included.

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 with appropriate warning label |
| | PV module | Has protection from permanent outdoor exposure. |

SOLAR DETAILS

| | |
|------------------|-------------------------|
| PV module type | Polycrystalline silicon |
| PV maximum power | 2.6 watts |

BATTERY DETAILS

| | |
|---------------------------|--|
| Battery replaceability | Not easily replaceable with common tools. |
| Battery chemistry | Lithium iron phosphate |
| Battery package type | Cylindrical 26650 |
| Battery capacity | 3.3 Ah |
| Battery nominal voltage | 3.3 V |
| Battery status indication | Five indicators for battery state of charge. |

PRODUCT DETAILS

| | |
|--|----------------------------|
| Manufacturer name | Greenlight Planet |
| Product name | Sun King Boom/ EasyBuy |
| Product model / ID number | SK-321/ SK-322 |
| Contact information | sales@greenlightplanet.com |
| Website | www.greenlightplanet.com |
| Dimensions (entire product in package) | 20.5 x 14 x 9 cm |
| Mass | 860 g |

SSS INFORMATION

| | |
|-------------------------------------|----------------|
| Specs sheet expiration date | April 30, 2022 |
| Quality standards framework version | 2019 |
| Revision | 2019.08 |