Sun King Pro 400
SK334
Greenlight Planet
Results based on test procedures detailed in IEC 62257-9-5 v.4
Verify online: www.lightingglobal.org/products/glp-skp400
Valid until: May 31, 2022

Meets the Lighting Global Pico-PV Quality Standards
Mobile charging
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/m²/day)

<table>
<thead>
<tr>
<th>Appliance</th>
<th>Description</th>
<th>Used alone</th>
<th>Used in combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>included in kit</td>
<td>Main lighting unit</td>
<td>5.5 hours</td>
<td>4.6 hours</td>
</tr>
<tr>
<td>sold separately</td>
<td>Mobile phone</td>
<td>3 full charge(s)</td>
<td>1.1 full charge(s)</td>
</tr>
</tbody>
</table>

Available daily electrical energy\(^c\) (Wh/day) 15

Performance measure
Brightness setting: Turbo

| Lighting full battery run time\(^d\) for main unit (hours) | 6 |
| Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product) | 2530 |

\(^a\) 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

<table>
<thead>
<tr>
<th>Lamp name</th>
<th>Number of lamps</th>
<th>Number of settings</th>
<th>Setting</th>
<th>Light output (lm)</th>
<th>Lumen efficacy(^c) (lm/W)</th>
<th>CRI(^f)</th>
<th>CCT(^g)</th>
<th>Distribution type</th>
<th>Lumen maintenance(^h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lantern</td>
<td>1</td>
<td>3</td>
<td>Turbo</td>
<td>400</td>
<td>180</td>
<td>71</td>
<td>5000</td>
<td>Wide</td>
<td>100%</td>
</tr>
</tbody>
</table>

\(^c\) 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
## PRODUCT DETAILS

**Product name** | Sun King Pro 400
---|---
**Product model / ID number** | SK334
**Contact information** | sales@greenlightplanet.com
**Website** | www.greenlightplanet.com
**Dimensions (entire product in package)** | 25 x 18.5 x 8.5 cm
**Mass** | 1037 g

## BATTERY DETAILS

**Battery replaceability** | Easily replaceable with common tools; however, the warranty is void if product is opened.
**Battery chemistry** | Lithium-ion
**Battery package type** | 18650
**Battery capacity** | 5 Ah
**Battery nominal voltage** | 3.7 V
**Battery status indication** | Four indicators show the battery capacity and solar charging rate

## BATTERY PACK

- **Battery type**: 18650
- **Nominal voltage**: 3.7 V
- **Capacity**: 5 Ah
- **Battery chemistry**: Lithium-ion
- **Battery replaceability**: Easily replaceable with common tools; however, the warranty is void if product is opened.

## SOLAR DETAILS

**PV module type** | Polycrystalline silicon
**PV maximum power** | 5 watts

## DURABILITY

- **Overall durability and workmanship**: Pass
- **Durability tests passed**: Switch test, Drop test, Strain relief test, physical ingress protection.
- **Level of water protection**:
  - Main Lighting Unit: Has protection from frequent rain; met with IPX1 and technical protection
  - PV module: Has protection from permanent outdoor exposure

## MARKS AND CERTIFICATIONS

**Factory certification** | ISO 9001:2015; ISO 14001:2015

## PORTS

**USB 2.0 type A**
- Mobile phones and radios can be charged.

## SSS INFORMATION

**Specs sheet expiration date** | May 31, 2022
**Quality standards framework version** | 2020
**Revision** | 2020.05