Sun King Pro 400

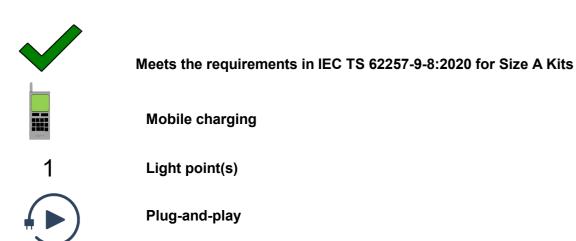
SK334

Greenlight Planet

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

Verify online: https://data.verasol.org/products/sek/glp-skp400

Valid until: May 31, 2024





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) Used in Included in VeraSol Certified? Description **Appliance**^a Used alone^b Kit? combination^c 1 light point on Turbo totaling 400 lumens Main lighting unit 3.9 hours included 5.5 hours yes and 2.8 W power Mobile phone Basic phone (3.7 Wh battery) not included 3 full charge(s) 1.1 full charge(s) no

Available daily electrical energy^c (Wh/day)

 Performance measure
 Brightness setting: Turbo

 Lighting full battery run time^d for main unit (hours)
 6.3

 Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)
 2200

15

^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 (Im)	Lumen efficacy ^e (Im/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Lantern	1	3	Turbo	400	180	71	5000	Wide	100%

^e Lumen efficacy is the power consumption at a light point during the light output test.

^fColor Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

⁹ 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 and radios can be charged.				
DURABILITY						
Overall durability and workmanship		Pass				
Durability tests passed		Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests				
Lovel of water protection	Main Unit	Has protection from occasional rain; met with appropriate warning label				
Level of water protection	PV module	Has protection from permanent outdoor exposure				
SOLAR DETAILS						
PV module type		Polycrystalline silicon				
PV maximum power		5.1 watts				
MAIN UNIT BATTERY DETAILS						
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.				
Battery chemistry		Lithium-ion				
Specific Li-ion battery chemistry		lithium nickel manganese cobalt oxide				
Battery package type		18650				
Battery capacity		5.2 Ah				
Battery nominal voltage		3.7 V				
Battery status/ other indicator lights		Four indicators show the battery capacity and solar charging rate				
PRODUCT DETAILS						
Manufacturer name		Greenlight Planet				
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		1040 g				
SSS INFORMATION						
Specs sheet expiration date		May 31, 2024				
Revision		2022.08				