

# Sun King Pro 200

SK332

Greenlight Planet

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

Verify online:

<https://data.verasol.org/products/sek/glp-skp200>

Valid until: August 31, 2022



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

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 <sup>2</sup> /day)		
	Appliance <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>
included in kit	Main lighting unit	1 light point on Turbo totaling 230 lumens and 1.4 W power	5.7 hours	2.9 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	1 full charge(s)	0.7 full charge(s)

Available daily electrical energy<sup>c</sup> (Wh/day) 15

Performance measure	Brightness setting: Turbo
Lighting full battery run time <sup>d</sup> for main unit (hours)	6.2
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	1310

<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)	Lumen efficacy <sup>e</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
Lantern	1	3	Turbo	230	160	71	4900	Wide	100%

<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		
1	USB 2.0 type A	 Mobile phones and radios 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 Lighting Unit	Has protection from frequent rain; met with IPX1 and technical protection
	PV module	Has protection from permanent outdoor exposure
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		2.3 watts
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		2.5 Ah
Battery nominal voltage		3.7 V
Battery status indication		Four indicators show the battery capacity and solar charging rate
PRODUCT DETAILS		
Manufacturer name		Greenlight Planet
Product name		Sun King Pro 200
Product model / ID number		SK332
Contact information		sales@greenlightplanet.com
Website		www.greenlightplanet.com
Dimensions (entire product in package)		24 x 13 x 8.5 cm
Mass		599 g
SSS INFORMATION		
Specs sheet expiration date		August 31, 2022
Quality standards framework version		2020
Revision		2020.04