

Sun King Pico Plus

SK-121

Greenlight Planet Inc.

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

Verify online:

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

Valid until March 31, 2023



Meets the Lighting Global Pico-PV Quality Standards



Light point(s)

Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects.

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	Total light output (lumens)
Turbo	0.33 W	3.9 hours	47 lumens
Normal	0.16 W	8 hours	26 lumens

Available daily electrical energy (Wh/day)

1.3

Performance measure

Brightness setting: Turbo Mode

Lighting full battery run time (hours)

4.3

Total lighting service (lumen-hours/solar-day)

(includes the both main lighting unit and any auxiliary lights included with the product)

180

LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Turbo	1	3	Turbo Mode	47	120	69	5000	Wide	100%
Normal	1	3	Normal Mode	26	160	70	4900	Wide	--

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

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

*** Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

**** Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEATURES

Steel stand included



Stand allows use as a desk lamp, room light, or hanging light

DC charging port



DC charging port with a USB cable allows charging the lamp with a USB outlet

DURABILITY

Overall durability and workmanship

Pass

Durability tests passed

Switch test, Drop test, Strain relief test, physical ingress protection.

Level of water protection

Integrated Light

Has protection from frequent rain; met IPX3

PV module

Has protection from permanent outdoor exposure

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	0.39 watts
BATTERY DETAILS	
Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	1x14500
Battery capacity	0.47 Ah
Battery nominal voltage	3.2 V
Battery status indication	One indicator shows whether the battery is charging or fully charged.
MARKS AND CERTIFICATIONS	
Factory certification	ISO 9001, ISO 14001
PRODUCT DETAILS	
Manufacturer name	Greenlight Planet Inc.
Product name	Sun King Pico Plus
Product model / ID number	SK-121
Contact information	sales@greenlightplanet.com
Website	www.greenlightplanet.com
Dimensions (entire product in package)	11 x 22 x 13.5 cm
Mass	190 g
SSS INFORMATION	
Specs sheet expiration date	March 31, 2023
Quality standards framework version	2020
Revision	2023.01