

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: December 31, 2022



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)

180

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

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	December 31, 2022	
Quality standards framework version	2020	
Revision	2020.01	