

Sun King Pico Plus

SK-121
Sun King

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

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

Valid until: March 31, 2025



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits

1

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	4.3 hours	47 lumens
Normal	0.16 W	8.7 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 lights with internal batteries 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****
Integrated Lamp	1	3	Turbo	47	120	69	5000	Wide	100%
			Normal	26	160	70	4900		

* 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, PV durability tests
Level of water protection	Main / lighting unit	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
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Lithium iron phosphate
Battery package type		14500
Battery capacity		0.47 Ah
Battery nominal voltage		3.2 V
Battery status/ other indicator lights		One indicator shows whether the battery is charging or fully charged.
PRODUCT DETAILS		
Manufacturer name		Sun King
Product name		Sun King Pico Plus
Product model / ID number		SK-121
Contact information		sales@sunking.com
Website		www.sunking.com
Dimensions (entire product in package)		11 x 22 x 13.5 cm
Mass		190 g
SSS INFORMATION		
Specs sheet expiration date		March 31, 2025
Revision		2023.05