

Pico Plus

SK-121

Brand name: Sun King

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-skpicoplus>

Valid until: March 31, 2027



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 in the system.

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	Total light output (lumens)
turbo	2 LEDs, 0.33 W power	3.6 hours	47 lumens
normal	2 LEDs, 0.16 W power	7.2 hours	26 lumens

Available daily electrical energy <sup>c</sup> (Wh/day)	1.3
---	-----

Performance measure	Brightness setting: 1 light on turbo
Lighting full battery run time <sup>d</sup> for main unit (hours)	4.3
Total lighting service (lumen-hours / solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	200

<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 name	Light output (lm)	Power consumption (W)	Lumen efficacy <sup>e</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
Integrated Lamp	1	3	turbo	47	0.33	120	69	5000	Wide	100%
			normal	26	0.16	160	70	4900	Wide	Not tested

<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.

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, Physical ingress protection, PV durability tests
Level of water protection	Main Unit with Integrated PV Module	Has protection from frequent rain; met with IPX3 and an appropriate warning label
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		0.39 W
PV rated power		0.35 W
PV open-circuit voltage (V <sub>OC</sub> )		5.5 V
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry		Lithium iron phosphate
Battery package type		14500
Battery capacity		0.47 Ah
Rated Battery capacity		0.425 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		
Company name		Green light Planet Inc.
Brand Name		Sun King
Product name		Pico Plus
Product model / ID number		SK-121
Contact information		sales@sunking.com
Website		www.sunking.com
Dimensions (entire product in package)		21.5 x 13.7 x 4.3 cm
Mass		200 g
SSS INFORMATION		
Specs sheet expiration date		March 31, 2027
Revision		2025.07