

Sun King Boom/ EasyBuy

SK-321/ SK-322

Greenlight Planet

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

Verify online:

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

Valid until: August 31, 2022



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available (SK-322)

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system.

PERFORMANCE DETAILS

	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination ^c
included in kit	Integrated Lamp	One light point totalling 170 lumens on Turbo and 1.2 W	6.6 hours	2.9 hours
	Integrated Radio	integrated radio that consumes 0.42 W while in-use.	21 hours	2.2 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	1.5 full charge(s)	0.75 full charge(s)

Available daily electrical energy^c (Wh/day)

8

Performance measure

Brightness setting: Turbo

Lighting full battery run time^d for main unit (hours)

6.6

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

1090

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

^a Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

^b Without any other loads used during the run time

^c Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

^d 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 ^e (lm/W)	CR ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Integrated lamp	1	3	Turbo	170	130	72	5000	Wide	100%
			Low	27	130	72	4900		

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

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

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

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

SPECIAL FEATURES

PAYG	★	SK-322 has Pay-As-You-Go (PAYG) feature
-------------	---	--

Enclosure	★	Made from ABS and polycarbonate plastic
------------------	---	--

PORTS

1

USB 2.0 type A

Mobile phones 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 Unit	has protection from occasional rain; met with appropriate warning label
	PV module	Has protection from permanent outdoor exposure.

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	2.6 watts

BATTERY DETAILS

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	Cylindrical 26650
Battery capacity	3.3 Ah
Battery nominal voltage	3.3 V
Battery status indication	Five indicators for battery state of charge.

PRODUCT DETAILS

Manufacturer name	Greenlight Planet
Product name	Sun King Boom/ EasyBuy
Product model / ID number	SK-321/ SK-322
Contact information	sales@greenlightplanet.com
Website	www.greenlightplanet.com
Dimensions (entire product in package)	20.5 x 14 x 9 cm
Mass	860 g

SSS INFORMATION

Specs sheet expiration date	August 31, 2022
Quality standards framework version	2019
Revision	2019.08