

Sun King Boom Gen 2 Easybuy

SK-324/ SK-323 (non-PAYG)

Brand name: Sun King

Results based on test procedures detailed in IEC TS 62257-9-5:2024

Verify online:

<https://data.verasol.org/products/sek/boomgen2>

Valid until: October 31, 2028



Meets the Requirements in IEC TS 62257-9-8:2025 for Size A kits

PAYG

Mobile charging

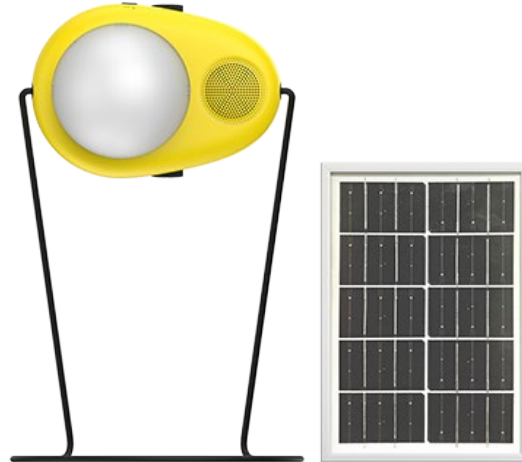
Pay-As-You-Go option available

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

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

PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
VeraSol Certified?	Included in kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	1 light point on turbo totaling 270 lumens and 1.6 W power	7 hours	4.6 hours
yes	included	Integrated radio	Radio integrated into main unit with a power consumption of 0.37 W while in use	41 hours	3.4 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	2.8 full charge(s)	1.1 full charge(s)

Available daily electrical energy [Wh/day]	15
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Performance measure	Brightness setting: turbo
Lighting full battery run time for main unit [hours]	8
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	2160

^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 name	Light output [lm]	Power Consumption [W]	Lumen efficacy ^e [lm/W]	CRI ^f	CCT ^g	Lumen maintenance ^h
Integrated lamp	1	3	turbo	250	1.6	160	82	6500	100
			normal	120	0.77	170	83	6500	

^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 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.

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, Physical ingress protection, PV durability tests
Level of water protection	Main Unit	Has protection from frequent rain; met with IPX1 and an appropriate warning label
	PV module	Permanent rooftop installation for PV modules

SOLAR DETAILS	
PV Module Type	Monocrystalline silicon
PV Maximum Power	5.2 W
PV Rated Power	5.2 W
PV Open-Circuit Voltage (V _{OC})	7.4 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
Specific Li-ion Battery Chemistry	lithium iron phosphate
Battery Package Type	26700
Battery Capacity (tested)	4.6 Ah
Battery Capacity (rated)	4.6 Ah
Battery Nominal Voltage	3.2 V
Battery status / other indicator lights	Indicator for battery level, PV charging, and integrated radio

PRODUCT DETAILS	
Company Name (full)	Greenlight Planet Inc.
Company Name ("brand")	Sun King
Product Name	Sun King Boom Gen 2 Easybuy
Product Model or ID Number	SK-324/ SK-323 (non-PAYG)
Company Contact Information	sales@sunking.com
Company Website	www.sunking.com
Mass	n/a

SSS INFORMATION	
Expiration Date	October 31, 2028
Revision	2025.10