Sun King Boom / Sun King Boom with EasyBuy

SK-321/ SK-322
Greenlight Planet Inc/ Sun King

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

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

📱 **Mobile charging**

PAYG **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

VeraSol Certified?	Included in Kit?	Appliance[a]	Description	Run time after a typical day of solar charging (assuming 5kWh/m^2/day)	
				Used alone[b]	Used in combination[c]
yes	included	Integrated Lamp	One light point totalling 170 lumens on Turbo and 1.2 W of power	5.5 hours	2.9 hours
yes	included	Integrated Radio	Integrated radio that consumes 0.42 W of power while in-use.	21 hours	2.2 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	1.5 full charge(s)	0.8 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)	5.5
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	910

[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)	CRI[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, PV durability tests
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

MAIN UNIT BATTERY DETAILS	
Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	26650
Battery capacity	3.3 Ah
Battery nominal voltage	3.3 V
Battery status/ other indicator lights	Five indicators for battery state of charge.

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

SSS INFORMATION	
Specs sheet expiration date	January 31, 2026
Revision	2024.01