

Sun King Torch

SK-133

Greenlight Planet Inc.

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

Verify online:

<https://data.verasol.org/products/glp-sk133>

Valid until: December 31, 2022



Meets the Lighting Global Pico-PV Quality Standards

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 ² /day)	Total light output (lumens)
Turbo	LED on highest lighting setting consuming 3.3 W of power without the diffuser.	2.7 hours	267 lumens
Normal	LED on highest lighting setting consuming 1.0 W of power without the diffuser.	8.7 hours	not tested
Strobe	LED on highest lighting setting consuming 0.39 W of power without the diffuser.	23 hours	not tested

Available daily electrical energy (Wh/day)

9

Performance measure

Brightness setting: Turbo

Lighting full battery run time (hours)

2.9

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

721

(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****
SK133 integrated torch light	1	3	Turbo (without diffuser)	270	80	73	7000	Narrow	99%
			Turbo (with diffuser)	240	73	73	6900	Wide	

* 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		
LEDs	 UV-free LEDs are used to optimize health and safety as well as efficiency.	
DURABILITY		
Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop test, Strain relief test, Physical ingress protection.	
Level of water protection	Solar torch	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	2.4 watts	
MAIN UNIT BATTERY DETAILS		
Battery replaceability	Not easily replaceable with common tools.	
Battery chemistry	Lithium-ion	
Battery package type	18650	
Battery capacity	2.6 Ah	
Battery nominal voltage	3.7 V	
Battery status indication	One indicator shows the charging status.	
MARKS AND CERTIFICATIONS		
Factory certification	--	
Safety certification	--	
Other certification	--	
PRODUCT DETAILS		
Manufacturer name	Greenlight Planet Inc.	
Product name	Sun King Torch	
Product model / ID number	SK-133	
Contact information	care@greenlightplanet.com	
Website	www.greenlightplanet.com	
Co-brand of	--	
Dimensions (entire product in package)	3.4 x 3.4 x 14 cm	
Mass	135 g	
SSS INFORMATION		
Specs sheet expiration date	December 31, 2022	
Quality standards framework version	2020	
Revision	2020.07	