

Sun King Torch

SK-133
Sun King

Verify online:

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

Valid until: March 31, 2025

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8



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

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 lumens

Available daily electrical energy (Wh/day)	9
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Performance measure	Brightness setting: Turbo
Lighting full battery run time (hours)	2.9
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	670

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	--
			Turbo (with diffuser)	240	73	73	6900	Omnidirectional	99%

* 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, PV durability tests	
Level of water protection	Solar Torch	Has protection from frequent rain; met IPX3

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
Specific Li-ion battery chemistry	lithium iron phosphate
Battery capacity	2.6 Ah
Battery nominal voltage	3.7 V
Battery status/ other indicator lights	One indicator shows the charging status.

PRODUCT DETAILS

Manufacturer name	Sun King
Product name	Sun King Torch
Product model / ID number	SK-133
Contact information	sales@sunking.com
Website	www.sunking.com
Dimensions (entire product in package)	3.4 x 3.4 x 14 cm
Mass	135 g

SSS INFORMATION

Specs sheet expiration date	March 31, 2025
Revision	2023.05