

Solar Lantern

BG-BL03TH-G

Panasonic Corporation

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

Verify online:

<https://data.verasol.org/products/sek/pana-sl>

Valid until: October 31, 2022



Meets the Lighting Global Pico-PV Quality Standards



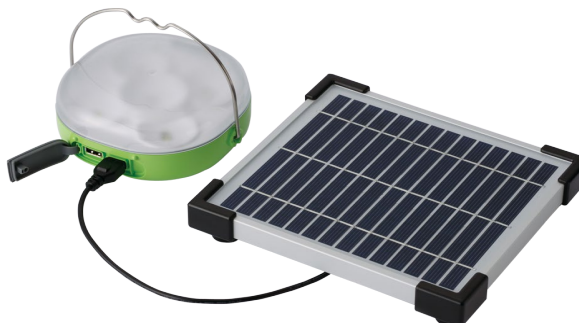
Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 1-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	Main lighting unit	1 light point on (High) totaling 74 lumens and 1.1 power	8.5 hours	4.9 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	2.2 full charge(s)	1.2 full charge(s)

Available daily electrical energy^c (Wh/day)

11

Performance measure

Brightness setting: High

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

8.5

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
Solar Lantern	1	3	High	74	64	81	4900	Wide	94%
			Middle	28	41	80	4900	Wide	94%

^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

Handle



Metal handle/stand for changing or positioning light

PORTS

1

USB 2.0 type A



Mobile phones can be charged.

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 frequent rain; met IPX4
	PV module	Has protection from permanent outdoor exposure

SOLAR DETAILS	
PV module type	Polycrystalline silicon
PV maximum power	3.5 watts
MAIN UNIT BATTERY DETAILS	
Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Nickel-metal hydride
Battery package type	4x AA cell
Battery capacity	1.9 Ah
Battery nominal voltage	4.8 V
Battery status indication	There are 2 LED indicators. The red LED is for charging and will be OFF when the internal battery is fully charged. The green LED will be ON when the mode is set to DC output through the USB port.
MARKS AND CERTIFICATIONS	
Factory certification	ISO 9001:2015; ISO 14000:2015
PRODUCT DETAILS	
Manufacturer name	Panasonic Corporation
Product name	Solar Lantern
Product model / ID number	BG-BL03TH-G
Contact information	yoshinari.fumiyoshi@jp.panasonic.com
Website	www.panasonic.net
Dimensions (entire product in package)	22.5 x 12.5 x 20.7 cm
Mass	1309 g
SSS INFORMATION	
Specs sheet expiration date	October 31, 2022
Quality standards framework version	2020
Revision	2020.11