

Solar Lantern

BG-BL03TH-G

Panasonic Corporation

Verify online:

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

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

Valid until: April 30, 2025



Meets the Requirements in IEC TS 62257-9-8:2020 for Size A kits



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 1-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 (High) totaling 74 lumens and 1.1 W power	8.5 hours	4.9 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	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
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	630

^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
Solar Lantern	1	3	High	74	64	81	4900	Wide	94%
			Middle	28	41	80	4900	Wide	--
			Low	6	90	86	4900	Wide	--

^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		
Mobile Charging	★	USB port for charging mobile phones and devices
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, IP3X Physical ingress protection, PV durability tests
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/ other indicator lights		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.
PRODUCT DETAILS		
Manufacturer name		Panasonic Corporation
Product name		Solar Lantern
Product model / ID number		BG-BL03TH-G
Contact information		nishimura.naruhito@jp.panasonic.com
Website		www.panasonic.net
Dimensions (entire product in package)		22.5 x 12.5 x 20.7 cm
Mass		1310 g
SSS INFORMATION		
Specs sheet expiration date		April 30, 2025
Revision		2023.09