

Go 250 / Go 255

010-30-0001

Barefoot Power

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

Verify online:

www.lightingglobal.org/products/www.lightingglobal.org/products/bfp-go250

Valid until: August 31 2021



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects

PERFORMANCE DETAILS

		Run time after a typical day of solar charging (assuming 5kWh/m ² /day)			
		Appliance ^a	Description	Used alone ^b	Used in combination ^c
included in kit		Main lighting unit	1 light points on ultra totaling 120 lumens and 1.4 power	6.4 hours	2.7 hours
		Radio	portable radio (3 Wh battery, 3.7 V nominal voltage)	16 hours	2 hours
sold separately		Smartphone	Smart phone (5.7 Wh battery)	1.3 hours	0.68 hours

Available daily electrical energy^c (Wh/day) 9.4

Performance measure	Brightness setting: ultra
Lighting full battery run time ^d for main unit (hours)	6.4
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	770

^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
Main Lighting Unit	1	3	ultra	120	77	71	5900	Wide	97%

^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**Stand**

The Go 250 includes the stand shown in the picture above. The Go 255 is sold without this stand.

PORTS

1

USB 2.0 type A

Mobile phones and radios 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.

Level of water protection

Main Lighting 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

4.1 watts

BATTERY DETAILS

Battery replaceability

Easily replaceable with common tools; however, the warranty is void if product is opened.

Battery chemistry

Lithium iron phosphate

Battery package type

26650 cylindrical cells

Battery capacity

3.3 Ah

Battery nominal voltage

3.2 V

Battery status indication

Three indicators for battery state-of-charge. One indicator for charging status.

PRODUCT DETAILS

Manufacturer name

Barefoot Power

Product name

Go 250 / Go 255

Product model / ID number

010-30-0001

Contact information

info@barefootpower.com

Website

www.barefootpower.com

Dimensions (entire product in package)

15 x 27 x 15 cm

Mass

1220 g

SSS INFORMATION

Specs sheet expiration date

August 31 2021

Quality standards framework version

2018

Revision

2019.08