

Connect Li 1000

Barefoot Power Ltd.

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

Verify online:

<https://data.verasol.org/products/sek/bfp-cl1000>
Valid until: November 30, 2022



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A two-year warranty covering manufacturing defects in the system

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	4 light points on totaling 550 lumens and 3.5 W power	11 hours	1.5 hours
sold separately	Mobile phone	Smart phone (5.7 Wh battery)	4.5 full charge(s)	0.5 full charge(s)
	Television	16" diagonal TV with 13 W power consumption while in use	3 hours	1 hours
	Radio	Portable radio with a power consumption of 3 W while in use	51.5 hours	1.5 hours
	Fan	16" table fan with 6 W power while in use	6.6 hours	5.5 hours

Available daily electrical energy^c (Wh/day) 38

Performance measure	Brightness setting: On
Lighting full battery run time ^d for main unit (hours)	12
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	6100

^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 ^a (lm/W)	CR ^f	CCT ^g	Distribution type	Lumen maintenance ^h
150 lm LED lamp	1	1	On	180	160	82	6500	Wide	100%
75 lm LED lamp	3	1	On	120	150	82	6500	Wide	99%

^a 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

PORTS		
2	USB 2.0 type A	 Mobile phones and radios can be charged. Adapters are included.
5	Barrel jack	 5 ports for charging and powering appliances. 4 of these ports are used for light points only.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection.
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
	150 lm LED lamp	Water ingress protection not tested, meant for indoor use only.
	75 lm LED lamp	Water ingress protection not tested, meant for indoor use only.
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		11 watts
MAIN UNIT 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		Other
Battery capacity		3.4 Ah
Battery nominal voltage		12.8 V
Battery status indication		4 LEDs indicate battery status
PRODUCT DETAILS		
Manufacturer name		Barefoot Power Ltd.
Product name		Connect Li 1000
Contact information		info@barefootpower.com
Website		www.barefootpower.com
Dimensions (entire product in package)		36.5 x 31.5 x 16 cm
Mass		3785 g
SSS INFORMATION		
Specs sheet expiration date		November 30, 2022
Quality standards framework version		2020
Revision		2020.11