

Connect 3000 Li

020-30-006-1

Barefoot Power Co., Ltd

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

Verify online:

<https://data.verasol.org/products/sek/bfp-c3000li>

Valid until: April 30, 2022



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

4

Light point(s)



Electrical connections require tools*



*Some terminals on this product are not plug-and-play. Lighting Global verification assesses the performance of the system, but cannot assess proper installation of the product.

WARRANTY INFORMATION

A 2-year warranty covering defective parts of the kit.

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	Featured Combination (One Tube lamp, TV, and fan on.)
included in kit	Main lighting unit	4 light points on totaling 1300 lumens and 10.4 W (2.6 W each)	11 hours	4.1 hours	5.2 hours
	Smart phone	Smart phone (5.7 Wh battery)	13 hours	1 full charge(s)	--
sold separately	Television	32" diagonal Barefoot Solar TV (advertised at 13 W power consumption)	8.6 hours	2.1 hours	5.2 hours
	Radio	portable radio with advertised 3 W power consumption while in-use	150 hours	3.1 hours	--
	Fan	small fan with advertised 6 W power consumption.	19 hours	5.2 hours	5.2 hours

Available daily electrical energy ^c (Wh/day)	110
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Performance measure	Brightness setting: Four LED tube lamps On
Lighting full battery run time ^d for main unit (hours)	22
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	14000

^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
LED tube lamp	4	1	On	330	120	81	6200	Wide	100%

^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

LEDs ★ **UV-free LEDs are used to optimize health and safety as well as efficiency.**

Enclosures ★ **UV-resistance plastic is used.**

PORTS

2 **USB 2.0 type A**  Mobile phones and radios may be charged. Adapters are not included.

5 **Barrel jack**  12 V ports available to charge devices and power appliances, such as fans and lights. 4 of these ports are used for light points only.

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	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure.
	LED tube lamp	Water ingress protection not tested, meant for indoor use only.

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	33 watts

BATTERY DETAILS

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery capacity	18 Ah
Battery nominal voltage	12.8 V
Battery status indication	There are four LEDs to indicate the battery state-of-charge status.

PRODUCT DETAILS

Manufacturer name	Barefoot Power Co., Ltd
Product name	Connect 3000 Li
Product model / ID number	020-30-006-1
Contact information	Gijso@barefootpower.com
Website	www.barefootpower.com
Dimensions (entire product in package)	70 x 45 x 13 cm
Mass	6970 g

SSS INFORMATION

Specs sheet expiration date	April 30, 2022
Quality standards framework version	2019
Revision	2021.09