

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 October 31, 2021



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) | | |
|-----------------|------------------------|---|---|----------------------------------|---|
| | | | Used alone ^b | Used in combination ^c | Featured Combination (One Tube lamp, TV, and fan on.) |
| | Appliance ^a | Description | | | |
| 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 |
|---|-----|

| 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) | CR ^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 | October 31, 2021 |
| Quality standards framework version | 2019 |
| Revision | 2021.09 |