Barefoot Connect 3000 Li
020-30-0066
Brand name: Barefoot Power

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

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

📱 Mobile charging

4 Light point(s)

▶ Plug-and-play

WARRANTY INFORMATION
A 2-year warranty covering manufacturing defects in the system.

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance[a]	Description	Run time after a typical day of solar charging (assuming 5kWh/m^2/day) Used alone[b]	Used in combination[c]
yes	included	Main lighting unit	4 light points "On" totaling 1380 lumens and 11 power	10 hours	3 hours
no	not included	Smart phone	Smart phone (5.7 Wh battery)	12 full charge(s)	0.76 full charge(s)
no	not included	Radio	Portable radio (Li-ion battery: 1 Ah, 3.7 V) with power consumption of 0.5 W while in use	140 hours	2.3 hours
no	not included	Fan	Standing fan (15 W power)	9 hours	3.8 hours
no	not included	Television	22" diagonal Television (13 W power consumption while in use)	8.5 hours	1.5 hours

Available daily electrical energy[c] (Wh/day)	110

Performance measure	Brightness setting: Four lights "On"
Lighting full battery run time[d] for main unit (hours)	21
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	13800

[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)	Power consumption (W)	Lumen efficacy[e] (lm/W)	CRI[f]	CCT[g]	Distribution type	Lumen maintenance[h]
Tube lamp	4	1	On	350	2.7	130	83	6300	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

PORTS				
2	**USB 2.0 type A**		Mobile phones and radios can be charged. Adapters are included.	
5	**Barrel jack**		12 V ports available to power appliances and light points.	

DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
	Tube lamp	Water ingress protection not tested, meant for indoor use only.

SOLAR DETAILS	
PV module type	Polycrystalline silicon
PV maximum power	33 watts
PV rated power	30 watts
PV open-circuit voltage (V_{OC})	21.9 volts

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
Specific Li-ion battery chemistry	lithium iron phosphate
Battery package type	18650
Battery capacity	18 Ah
Battery nominal voltage	12.8 V
Battery status / other indicator lights	Four indicators for battery level on the main unit

PRODUCT DETAILS	
Company name	Barefoot Power Co., Ltd.
Brand Name	Barefoot Power
Product name	Barefoot Connect 3000 Li
Product model / ID number	020-30-0066
Contact information	info@barefootpower.com
Website	barefootpower.com
Dimensions (entire product in package)	Multiple packages. Contact manufacturer for more information.
Mass	n/a

SSS INFORMATION	
Specs sheet expiration date	December 31, 2026
Revision	2024.12