Barefoot Power®

2016 Product Catalogue

Barefoot Power®

Save money
No running costs

Improve health
No smoke or burns

Generate income
Charges phones and devices

Improve education
Light for studying

Save the environment
No kerosene or fumes

Power Accessories

RADIO PHONE FAN TV LAPTOP

Barefoot Power®

Product Selector

	Go 150	Go 250 & 255	Connect 600	Connect Li 1000	Connect 2000	Connect 3000	Connect Charge
Bright LED lamp			4	3			1
Ultra bright LED lamp				1	2		
Ultra bright LED tube					2	4	
Lighting points	1	1	4	4	4	4	1
Multiple light settings	●	●					
Maximum solar runtime (Hrs)	28	60	24	49	36	24	n/a
Minimum solar runtime (Hrs)	5	6	6	9	6	6	n/a
Energy per sunny day	5.5Wh	9.5Wh	17Wh	28Wh	55Wh	83Wh	55Wh
Panel size	1.5W	2.5W	6W	10W	20W	30W	20W
Lithium battery	●	●		●			
Lead acid battery			●		●	●	●
Battery size	3.2V, 1.5Ah	3.2V, 3.3Ah	12V, 4Ah	12.8V, 3.3Ah	12V, 12Ah	12V, 24Ah	12V, 5Ah
USB output		●	●	●	●	●	●
12V appliance output			●	●	●	●	●
Mobile phone charging		●	●	●	●	●	●
Tablet charging			○	◑	●	●	●
Radio compatible		●	●	●	●	●	●
Fan compatible			○	●	●	●	○
TV compatible				◑	●	●	○
Security lamp compatible			●	●	●	●	●
Laptop charger compatible					○	●	
Panel upgradable			⊙	⊙	●	●	
Battery upgradable					●	●	

○ Device is compatible (affects lighting runtime). Refer to power use tables in catalogue.
⊙ Panel is upgradable to 20W only.

Barefoot® Go

Product Information

Barefoot® Go

Portable Solar Light

The Barefoot Go portable solar light has been specifically designed to meet the needs of rural markets.

The ultra-bright lamp can illuminate an entire room or shop. Multiple brightness settings allow the user to conserve power until it's needed.

Barefoot Go includes a 1 Amp USB output capable of charging many smart phones and other devices.

The versatile design and stand make Barefoot Go perfect for any location and situation.

Barefoot Go includes a 2.5W polycrystalline solar panel combined with microprocessor-controlled battery management to maximize battery performance and life.

Barefoot Go and all included components are backed by a comprehensive 24-month warranty.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot® Power
barefootpower.com

Barefoot® Go

Barefoot Go 150 Portable Solar Light

Product Highlights:

Signature design developed in Australia by Barefoot Power

Bright 75-lumen LED lamp

24-month warranty on all components

Multiple light settings night light (28 hours) bright (9 hours) and ultra bright (5 hours)

Next power off pressing the power button will always turn the lamp off once it's been on for more than five seconds

Sleep mode press the power button for 5 seconds and the lamp will enter a sleep mode to conserve power

Three-stage battery charge indicators low, medium and high

Charging indicators will flash when battery is charging

Full-battery indicators will double flash every 10 seconds when the battery is full

Low-battery indicator will flash once every 20 seconds when battery capacity is low

USB compatibility for charging the lamp

Auto-dim will dim the lamp automatically to conserve power when battery capacity is low

Barefoot Connect compatibility for charging the lamp

Versatile design can be used in nine different positions

1.5W solar panel with 3.5m cable

1.5Ah LiFePO4 Battery the longest-lasting battery in its class

BATTERY	SOLAR PANEL	RUN TIME
3.2V 1.5Ah	1.5W	5 - 28 HOURS

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot® Power
barefootpower.com

Barefoot Go 250
Portable Solar Light

Product Highlights:

Signature design developed in Australia by Barefoot Power

Ultra bright 135-lumen LED lamp is the brightest in its class

24-month warranty on all components

Multiple light settings night light (60 hours) bright (12 hours) and ultra bright (6 hours)

USB output for charging mobile phones and many smart phones

USB phone-charging kit included

Next power off pressing the power button will always turn the lamp off once it's been on for more than five seconds

Sleep mode press the power button for 5 seconds and the lamp will enter a sleep mode to conserve power

Three-stage battery charge indicators low, medium and high

Charging indicators will flash when battery is charging

Full-battery indicators will double flash every 10 seconds when the battery is full

Low-battery indicator will flash once every 20 seconds when battery capacity is low

USB compatibility for charging the lamp

Auto-dim will dim the lamp automatically to conserve power when battery capacity is low

Barefoot Connect compatibility for charging the lamp

Versatile design can be used in nine different positions

2.5W solar panel the largest available for a single-lamp product (4m cable)

3.3Ah LiFePO4 Battery the largest and longest-lasting battery in its class

BATTERY
3.2V 3.3Ah

SOLAR PANEL
2.5W

RUN TIME
6 - 60 HOURS

RADIO

PHONE

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

barefootpower.com

Barefoot® Go

Barefoot Go 255 Portable Solar Light

Product Highlights:

Signature design developed in Australia by Barefoot Power

Ultra bright 135-lumen LED lamp is the brightest in its class

24-month warranty on all components

Multiple light settings night light (60 hours) bright (12 hours) and ultra bright (6 hours)

USB output for charging mobile phones and many smart phones.

Next power off pressing the power button will always turn the lamp off once it's been on for more than five seconds

Sleep mode press the power button for 5 seconds and the lamp will enter a sleep mode to conserve power

Three-stage battery charge indicators low, medium and high

Charging indicators will flash when battery is charging

Full-battery indicators will double flash every 10 seconds when the battery is full

Low-battery indicator will flash once every 20 seconds when battery capacity is low

USB compatibility for charging the lamp

Auto-dim will dim the lamp automatically to conserve power when battery capacity is low

Barefoot Connect compatibility for charging the lamp

Versatile design can be used in nine different positions

2.5W solar panel the largest available for a single-lamp product (4m cable)

3.3Ah LiFePO4 Battery the largest and longest-lasting battery in its class

BATTERY
3.2V 3.3Ah

SOLAR PANEL
2.5W

RUN TIME
6 - 60 HOURS

RADIO

PHONE

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot® Power
barefootpower.com

Barefoot Go Installation Instructions

1. Permanently install the solar panel on the roof in a position that receives full sunshine all day. The solar panel is weatherproof.

2. Turn lamp on and off to activate and plug the solar panel into the lamp to charge the battery.

3. When charging, the battery status LEDs will flash.

4. IMPORTANT: Barefoot Go must be fully charged before it is used for the first time to calibrate the system. It must also be fully charged at least once per week.

5. IMPORTANT: When the battery is full, the LEDs will double flash every 10 seconds.

6. Press the power button to turn the lamp on and toggle between ultra, bright and night light settings.

7. Barefoot Go includes a battery status ring. One segment indicates low battery; two segments, medium battery; and three segments, full battery.

8. Each time the power button is pressed, the battery status indicators will illuminate for 5 seconds.

9. When the battery is low, the lamp will automatically dim to a lower light setting and the low-battery LED will flash.

10. If a stand is included, assemble the stand by inserting the three metal legs into the stand ring. Do not disassemble stand once constructed.

11. Barefoot Go includes a 1Amp USB output for charging mobile phones and other devices. Barefoot Go will not charge devices which draw more than 1Amp.

Some compatible devices with large batteries should only be charged when the Barefoot Go battery is full, and ideally when the panel is in full sun.

12. If the USB is overloaded, a fuse will activate to protect the lamp and battery. Remove any device plugged into the USB - the fuse will automatically reset within 10 seconds.

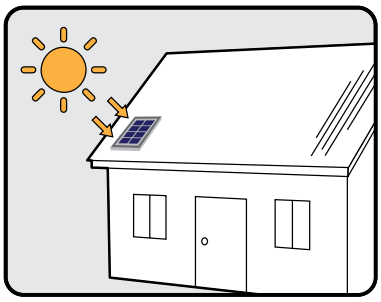
13. If transporting or storing Barefoot Go for an extended period of time, hold the power button down for five seconds to put the lamp into sleep mode. This will shut down all functions to conserve battery power.

Warranty All components guaranteed for 24 months from date of purchase by first user. The warranty is not valid if product is misused or damaged by the user. For warranty terms and conditions please contact Barefoot Power at info@barefootpower.com

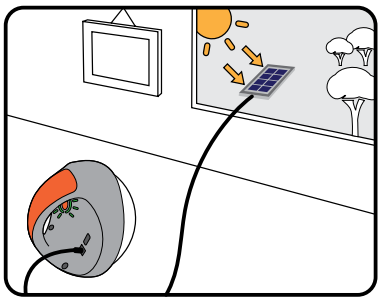
info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power
barefootpower.com

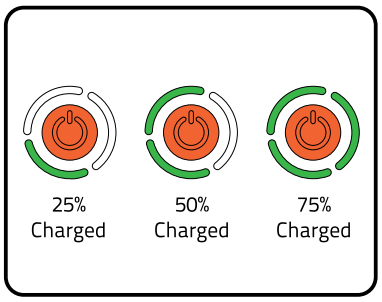
Barefoot Go Installation Instructions



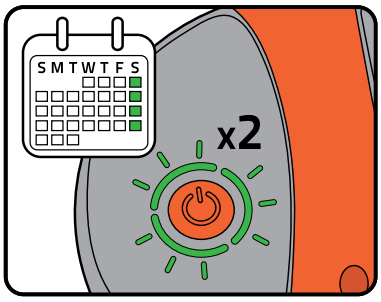
1. Permanently install the panel outdoors in direct full sun all day.



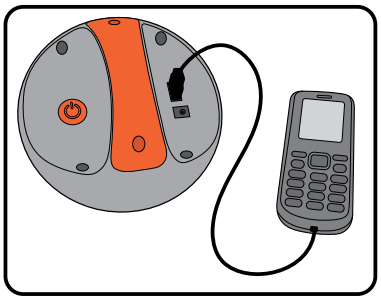
2. Keep lamp Indoors while charging. Plug panel into the lamp.



3. LEDs will flash when charging.



4. Fully charge the battery when first purchased and at least once per week. LEDs will double flash every 10 seconds when fully charged.



5. Use the USB output for charging phones and Barefoot Power Radio.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot® Go

Barefoot Go
Frequently Asked Questions

START UP Can I use the Go lamp straight away?

The battery should be fully charged before it is used for the first time. This is to allow the system to be fully calibrated to give you maximum use.

How do I activate the system?

Press the power button to activate ('wakeup') the system for use.

When the lamp is in storage or not in use for an extended period of time the power button should be held down for 5-10 seconds to put the lamp into 'sleep' mode. This will shut down all functions and conserve battery power.

How do I charge the Go lamp?

Ensure that the lamp has been first activated by pressing the power button to allow charging to take place.

Place the solar panel outside in full sun and plug into the lamp (kept inside) to charge the battery.

How do I turn the Go lamp on?

Press the power button to turn the lamp on. Toggle through the power settings to turn the lamp off.

Is the Go Lamp waterproof?

The Go Lamp is water-resistant. Do not allow water to enter the USB or charging ports.

How does the Warranty work?

If the system appears to not be working properly then the system should be returned to your local distributor for evaluation. Ensure that you keep the original receipt and show it to the distributor.

Do not try and repair the system. If the system has been interfered with, damaged from an external force or submerged in water the warranty will be void.

CHARGING How do I tell if the battery is charging?

When charging, the battery status LED's will flash.

When the battery is FULL all three LED's will double flash every ten seconds.

How do I tell how much charge is left in the battery?

Barefoot Go includes a battery status ring. One segment indicates 0-25% charge, two segments indicate 25-75% charge, and all three segments indicate 75-100% charge.

Each time the power button is pressed, the battery status indicators will illuminate for five seconds.

The lamp has automatically dimmed – is there something wrong?

No, this is just to warn that the battery is getting low and needs recharging.

When the battery is low, the lamp will automatically dim to a lower light setting and the low-battery LED (one segment) will flash.

Can the battery be totally drained?

No. The battery controller automatically turns the lamp and USB output off when the 'low battery' point is reached in order to protect the battery.

Can the battery be charged with an AC charger?

Yes. Ensure that the recommended AC charger is used.

What should I do if the lamp does not appear to be working for the runtimes as indicated?

First check that the USB is not being used. If it is power will be taken away from the lamp and the runtimes shortened.

Ensure that the lamp is fully charged and test the run time again. If there continues to be an issue contact your local distributer.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot® Power
barefootpower.com

Barefoot® Go

Barefoot Go Frequently Asked Questions

SOLAR PANEL Where should the solar panel be installed?

The solar panel must be permanently installed outside in full sunlight where it will receive direct sun and not be overshadowed by trees or buildings. Usually the best place is on top of the roof of a building.

To maximise solar power, the solar panel should be cleaned every three months. In very dusty areas, cleaning could be required up to every two weeks.

The panel can be fixed directly to the roof. For extra security the panel can be mounted in a metal frame fixed to the roof or the top of a pole. If the panel is mounted in a frame then allow a 10mm clearance round the panel surround for expansion in hot weather. If the panel is welded for security, ensure that the welding material does not come into contact with the panel.

It is important that the solar panel faces towards the equator at a slope equivalent to the latitude. For regions near the equator, the panel should be kept facing upwards, with a slope of 10 degrees to either the north or south. The slope helps the rain wash the panel.

Does the solar panel still produce power when it's cloudy?

Yes. The amount of power produced by the solar panel is proportional to the strength of the sun. During cloudy periods, the output of the solar panel can be as low as 10% of its rated power. The battery provides some backup to ensure the lights still work after a cloudy day.

Is the solar panel waterproof?

The panel is water-resistant. It is water-proof as long as the water runs off and does not enter the sealed connector box mounted on the rear of the panel. Best practise is to mount the panel with a gap between it and the roof to allow the water to run freely on the top and beneath.

Do not place the panel on the ground or where it could end up in a pool of water if it rains.

What should I do if the panel does not seem to be charging the Go lamp?

Remove the charging cable and check that the lamp has been activated by pressing the power switch. Re plug the cable from the panel into the lamp and start charging again. If this fails, try and charge the lamp from an AC adapter or USB output. If the lamp charges successfully the panel may faulty and you should contact your local distributer. If the lamp still does not charge contact your local distributer.

The Go lamp and panel have a two year warranty.

USB PORT What devices can be charged using the USB port?

The Barefoot Go includes the standard 1 Amp USB output for charging mobile phones and other devices e.g. Mobile phones and Barefoot Power radio.

Some smart phones and tables will draw more than 1 Amp so can't be charged. For these products Barefoot Connect systems must be used.

What happens if the USB is overloaded?

If the USB is overloaded the system will automatically shut down and reset after 5-10 seconds. Make sure you remove any device plugged into the USB output.

Can the lamp and the USB port operate at the same time?

Yes. However, if you are drawing a high load form the USB port the lamp may shutdown or auto-dim. If this happens remove the device from the USB and do not use the USB output again until that lamp has been charged to 100%.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot® Power
barefootpower.com

Barefoot® connect

Barefoot Connect Series
Product Catalogue

Barefoot® connect

Solar Home Systems

The Barefoot Connect range of solar home systems is designed to meet the needs of households and businesses without reliable access to electricity. Barefoot Connect offers durable, convenient, and affordable solar home systems. All Connect systems include a quality power controller, efficient LED lights and a robust polycrystalline solar panel.

Barefoot Connect includes two USB outputs and one 12V socket enabling users to charge multiple phones and other devices simultaneously.

Barefoot Connect will provide light for four or five areas depending on the system.

The plug-and-play Connect kits come with everything needed for installation, including wiring clips and wall-screws for neat and easy installation without an electrician.

The Barefoot Connect controller includes advanced four-stage charging technology and protection circuits to extend the life of the battery.

The microprocessor-controlled system also includes LED indicators to show how much power remains in the battery. As well as flashing the red low-power LED, Barefoot Connect will double flash all the lights if power is running low so the user is not left in the dark.

All Connect systems, including batteries, are maintenance-free and have no running costs. The Connect series of products is backed by a comprehensive 24-month warranty. Connect products provide brighter and safer lighting and will save the user money every day.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot® Power
barefootpower.com

Barefoot Connect 600 Solar Power System

Product Highlights :

• The Barefoot Connect 600 is a solar-powered lighting and phone-charging solution.
It provides light and charging power for your family home, shop or clinic.

• Simple plug-and-play installation does not require an electrician or trained service person. All necessary components are included for a fast, neat and easy installation.

• A high-tech controller extends the life of your battery and provides constant power through the USB and 12V outputs.

• The four bright LED lamps can light up four rooms at once providing light for studying, socialising or income-generating activities.

• Two USB outputs allow charging of two phones or devices at once, keeping you and your family connected and contactable.

• Barefoot Power provides a 24-month warranty on all Connect systems and components.

BATTERY
12V 4Ah

SOLAR PANEL
6W

RUN TIME
4 LAMPS 6 HOURS

RADIO

PHONE

FAN

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

barefootpower.com

Barefoot connect®

Barefoot Connect 600 Solar Power System

Detailed Technical Specifications :

Solar Panel	
Rated output	6 Watts peak, at standard test conditions of 1.5ATM, 25°C, 1000W/m2
Construction	Tempered glass front, anodized aluminium frame, IP65 rated with 2 bypass diodes. Integrated 7m cable.
Weight	0.7kg
Dimensions	255 x 255 x 17mm
Max Power Voltage	17.6 V
Max Power Current	0.34 A
Open Circuit Voltage	21.4 V
Short Circuit Current	0.39 A
Operating Temperature	-40°C to +85°C

Battery	Maintenance free AGM sealed lead acid battery
Capacity	4Ah (0.05C)
Nominal Voltage	12V

Power System Controller	
Nominal Voltage	12V
Outputs	4 x 12V lighting outputs (2A, 24W shared) 2 x 5V USB outputs (1A, 5W shared) 1 x 12V device output (2A, 24W dedicated)
Inputs	Max PV voltage: 24V Max PV Power: 30W Max PV Current: 2A
Protections	PV array short circuit, Overload, Load short circuit, PV reverse polarity
Battery management	4 stage charge controller Upper Charging Limit: 14.4V Absorption Voltage: 14.4V Float Voltage: 13.8V Low Voltage Disconnect: 11.8V
Self-consumption	Active mode: 9-11mA Sleep mode: <1mA

LED Lamps	
Number of lamps	4 bright LED lamps
Light output per lamp	75 lumens per lamp
Inbuilt cable	3.75m per lamp
Lamp cables	Four 0.5m switch cables
	One 1.5m extension cable , two 4m extension cables, one 6m extension cable

Other Included Accessories	
	USB to multiple phone charging kit Mounting screws and clips

Warranty All components guaranteed for 24 months from date of purchase by first user. The warranty is not valid if product is misused or damaged by the user. For warranty terms and conditions please contact Barefoot Power at info@barefootpower.com

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power®
barefootpower.com

Barefoot connect Li

Barefoot Connect Li 1000 Lithium Solar Power System

Product Highlights :

• The Barefoot Connect Li solar-powered lighting and phone-charging system includes a state of the art Lithium Polymer LiFePO4 battery to provide years of service without replacement.

• Barefoot Connect Li provides light and charging power for your family home, shop or clinic.

• Simple plug-and-play installation does not require an electrician or trained service person. All necessary components are included for a fast, neat and easy installation.

• A high-tech controller extends the life of your battery and provides constant power through the USB and 12V outputs.

• One ultra bright, and three bright LED lamps can light up four rooms at once providing light for studying, socialising or income-generating activities.

• Two USB outputs allow charging of two phones or devices at once, keeping you and your family connected and contactable.

• Barefoot Power provides a 24-month warranty on all Connect systems and components.

BATTERY
12.8V 3.3Ah

SOLAR PANEL
10W

RUN TIME
4 LAMPS 9 HOURS

RADIO PHONE FAN

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power
barefootpower.com

Barefoot Connect Li 1000 Lithium Solar Power System

Detailed Technical Specifications :

Solar Panel	
Rated output	10 Watts peak, at standard test conditions of 1.5ATM, 25°C, 1000W/m2
Construction	Tempered glass front, anodized aluminium frame, Integrated 7m cable.
Weight	1.4kg
Dimensions	315 x 350 x 17mm
Max Power Voltage	17.0 V
Max Power Current	0.58 A
Open Circuit Voltage	21.0 V
Short Circuit Current	0.68 A
Operating Temperature	-40°C to +85°C

Battery	LiFePO4 Battery Pack
Capacity	3.3Ah
Nominal Voltage	12.8V

Power System Controller	
Nominal Voltage	12.8V
Outputs	4 x 12V lighting outputs (2A, 24W shared) 2 x 5V USB outputs (1A, 5W shared) 1 x 12V device output (2A, 24W dedicated)
Inputs	Max PV voltage: 24V Max PV Power: 20W Max PV Current: 1.5A
Protections	PV array short circuit, Overload, Load short circuit, PV reverse polarity
Battery management	BMS (Battery Management System) and microprocessor driven charge controller Upper Charging Limit: 14.4V Low Voltage Disconnect: 10.0V
Self-consumption	Active mode: 9-11mA Sleep mode: <1mA

LED Lamps	
Number of lamps	3 bright LED lamps, 1 ultra bright LED lamps
Light output per lamp	150 lumens per ultra bright LED lamp, 75 lumens per bright LED lamp
Inbuilt cable	3.75m per lamp
Lamp cables	Four 0.5m switch cables
	One 1.5m extension cable , two 4m extension cables, one 6m extension cable

Other Included Accessories	
	USB to multiple phone charging kit Mounting screws and clips

Warranty All components guaranteed for 24 months from date of purchase by first user. The warranty is not valid if product is misused or damaged by the user. For warranty terms and conditions please contact Barefoot Power at info@barefootpower.com

info@barefootpower.com
© Barefoot Power Ltd 2026 v3.8

barefootpower.com

Barefoot Connect Li 1000 Ultra Lithium Solar Power System

Detailed Technical Specifications :

Solar Panel	
Rated output	15 Watts peak, at standard test conditions of 1.5ATM, 25°C, 1000W/m2
Construction	Tempered glass front, anodized aluminium frame, Integrated 7m cable.
Weight	1.8kg
Dimensions	350 x 350 x 17mm
Max Power Voltage	18.0 V
Max Power Current	0.83 A
Open Circuit Voltage	21.0 V
Short Circuit Current	0.97 A
Operating Temperature	-40°C to +85°C

Battery	LiFePO4 Battery Pack
Capacity	6Ah
Nominal Voltage	12.8V

Power System Controller	
Nominal Voltage	12.8V
Outputs	4 x 12V lighting outputs (2A, 24W shared) 2 x 5V USB outputs (1A, 5W shared) 1 x 12V device output (2A, 24W dedicated)
Inputs	Max PV voltage: 24V Max PV Power: 20W Max PV Current: 1.5A
Protections	PV array short circuit, Overload, Load short circuit, PV reverse polarity
Battery management	BMS (Battery Management System) and microprocessor driven charge controller Upper Charging Limit: 14.4V Low Voltage Disconnect: 10.0V
Self-consumption	Active mode: 9-11mA Sleep mode: <1mA

LED Lamps	
Number of lamps	4 ultra bright LED lamps
Light output per lamp	250 lumens per ultra bright LED lamp
Inbuilt cable	8m per lamp with one switch
Lamp cables	One 4m extension cables, one 6m extension cable

Other Included Accessories	
	USB to multiple phone charging kit Mounting screws and clips

All components guaranteed for 24 months from date of purchase by first user. The warranty is not valid if product is misused or damaged by the user. For warranty terms and conditions please contact Barefoot Power at info@barefootpower.com

info@barefootpower.com
© Barefoot Power Ltd 2026 v3.8

barefootpower.com

Barefoot Connect Li1000 Ultra Installation Instructions

IMPORTANT: The system will activate for the first time only when the solar panel is in full sun and plugged into the controller.

1. Using the included wall screws, install the Barefoot Connect controller indoors with indicator lights visible and the USB ports accessible.

IMPORTANT: The Barefoot Connect controller must not be installed outdoors.

2. Permanently install the solar panel on the roof in a position that receives full sunshine all day. The solar panel is weatherproof.

3. Plug the solar panel into the controller.

4. When charging, the battery status LEDs will flash.

5. Install lamps in convenient locations and connect the switch wires from lamps to the controller.

6. Attach wires to the walls using the included wire mounting clips.

Your Barefoot Connect is ready to use.

7. The four LEDs indicate battery status. At least once a week ensure that the system is charged until the green LED illuminates. The green LED indicates 100% charge - it is not critical to reach 100% charge every day.

8. The red LED indicates a low battery. The lamps will also double flash when there is only approximately 20 minutes of power remaining.

9. If the controller is not in use for 10 minutes, the LEDs turn off to save power.

10. After 72 hours of inactivity (no use or charging) the controller will enter factory sleep mode to conserve power. The solar panel will need to be placed in full sun and plugged into the controller to reactivate.

11. Barefoot Connect has automatically resetting fuses. If the USB, 12V output or lamps stop working, unplug the device and wait five minutes before trying again.

12. If the system does not reset, unplug all outputs and the solar panel. Wait one minute and refer back to “Step 3”.

13. Some appliances may not work when the battery is low.

14. Barefoot Power provides spare parts and battery replacements on request during and after the warranty period. For more information contact us via info@barefootpower.com.

info@barefootpower.com
© Barefoot Power Ltd 2023 v3.6

Barefoot Connect Li 1000 Ultra Lithium Solar Power System

Detailed Technical Specifications :

Solar Panel	
Rated output	15 Watts peak, at standard test conditions of 1.5ATM, 25°C, 1000W/m2
Construction	Tempered glass front, anodized aluminium frame, Integrated 7m cable.
Weight	1.8kg
Dimensions	350 x 350 x 17mm
Max Power Voltage	18.0 V
Max Power Current	0.83 A
Open Circuit Voltage	21.0 V
Short Circuit Current	0.97 A
Operating Temperature	-40°C to +85°C

Battery	LiFePO4 Battery Pack
Capacity	6Ah
Nominal Voltage	12.8V

Power System Controller	
Nominal Voltage	12.8V
Outputs	4 x 12V lighting outputs (2A, 24W shared) 2 x 5V USB outputs (1A, 5W shared) 1 x 12V device output (2A, 24W dedicated)
Inputs	Max PV voltage: 24V Max PV Power: 20W Max PV Current: 1.5A
Protections	PV array short circuit, Overload, Load short circuit, PV reverse polarity
Battery management	BMS (Battery Management System) and microprocessor driven charge controller Upper Charging Limit: 14.4V Low Voltage Disconnect: 10.0V
Self-consumption	Active mode: 9-11mA Sleep mode: <1mA

LED Lamps	
Number of lamps	4 ultra bright LED lamps
Light output per lamp	250 lumens per ultra bright LED lamp
Inbuilt cable	8m per lamp with one switch
Lamp cables	One 4m extension cables, one 6m extension cable

Other Included Accessories	
	USB to multiple phone charging kit Mounting screws and clips

All components guaranteed for 24 months from date of purchase by first user. The warranty is not valid if product is misused or damaged by the user. For warranty terms and conditions please contact Barefoot Power at info@barefootpower.com

info@barefootpower.com
© Barefoot Power Ltd 2023 v3.6

barefootpower.com

Barefoot connect®

Barefoot Connect 2000 Solar Power System

Product Highlights :

• The Barefoot Connect 2000 includes four lamps. Two ultra bright LED lamps and two ultra bright LED tube lamps can light up four rooms while providing enough power to run and charge other devices.

• Two USB outputs allow charging of two phones or devices at once, keeping you and your family connected and contactable.

• Simple plug-and-play installation does not require an electrician or trained service person. All necessary components are included for a fast, neat and easy installation.

• A high-tech controller extends the life of your battery and provides constant power through the USB and 12V outputs.

• The Barefoot Connect 2000 is upgradable. Larger batteries and panels up to a total of 60W can be added to the system.

• Barefoot Power provides a 24-month warranty on all Connect systems and components.

BATTERY
12V 12Ah

SOLAR PANEL
20W

RUN TIME
4 LAMPS 6 HOURS

RADIO PHONE FAN TV

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power®
barefootpower.com

Barefoot connect®

Barefoot Connect 2000 Solar Power System

Detailed Technical Specifications :

Solar Panel	
Rated output	20 Watts peak, at standard test conditions of 1.5ATM, 25°C, 1000W/m2
Construction	Tempered glass front, anodized aluminium frame, IP65 rated with 2 bypass diodes. Integrated 0.5m cable and separate 6.5m panel cable.
Weight	3kg
Dimensions	540 x 300 x 17mm
Max Power Voltage	18 V
Max Power Current	1.11 A
Open Circuit Voltage	21.9 V
Short Circuit Current	1.1 A
Operating Temperature	-40°C to +85°C

Battery	Maintenance free AGM sealed lead acid battery * Supplied separately
Capacity	12Ah (0.05C)
Nominal Voltage	12V

Power System Controller	
Nominal Voltage	12V
Outputs	4 x 12V lighting outputs (2A, 24W shared) 2 x 5V USB outputs (1A, 5W shared) 1 x 12V device output (2A, 24W dedicated)
Inputs	Max PV voltage: 24V Max PV Power: 60W Max PV Current: 4A
Protections	PV array short circuit, Overload, Load short circuit, PV reverse polarity, Battery reverse polarity
Battery management	4 stage charge controller Upper Charging Limit: 14.4V Absorption Voltage: 14.4V Float Voltage: 13.8V Low Voltage Disconnect: 11.8V
Self-consumption	Active mode: 9-11mA Sleep mode: <1mA

LED Lamps	
Number of lamps	2 ultra bright LED lamps, 2 ultra bright LED tube lamps
Light output per lamp	150 lumens per ultra bright LED lamp (1.5W each) 290 lumens per ultra bright LED tube lamp (3.0W each)
Inbuilt cable	3.75m per lamp
Lamp cables	Four 0.5m switch cables
	One 1.5m extension cable , one 4m extension cable, one 6m extension cable, one 8m extension cable

Other Included Accessories	
	USB to multiple phone charging kit Mounting screws and clips

Warranty All components guaranteed for 24 months from date of purchase by first user. The warranty is not valid if product is misused or damaged by the user. For warranty terms and conditions please contact Barefoot Power at info@barefootpower.com

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power®
barefootpower.com

Barefoot Connect 3000 Solar Power System

Product Highlights :

• The Barefoot Connect 3000 includes four ultra bright LED tube lamps that can light up four rooms while providing enough power to run and charge other devices.

• Simple plug-and-play installation does not require an electrician or trained service person. All necessary components are included for a fast, neat and easy installation.

• A high-tech controller extends the life of your battery and provides constant power through the USB and 12V outputs.

• The 4 ultra bright LED tube lamps can light up four rooms or can be used together to light up a school room, dormitory, church, mosque, hall or other large room.

• Two USB outputs allow charging of two phones or devices at once, keeping you and your family connected and contactable.

• The Barefoot Connect 3000 is upgradable. Larger batteries and panels up to a total of 60W can be added to the system.

• Barefoot Power provides a 24-month warranty on all Connect systems and components.

BATTERY
12V 24Ah

SOLAR PANEL
30W

RUN TIME
4 LAMPS 6 HOURS

RADIO PHONE FAN TV

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

barefootpower.com

Barefoot connect®

Barefoot Connect 3000 Solar Power System

Detailed Technical Specifications :

Solar Panel	
Rated output	30 Watts peak, at standard test conditions of 1.5ATM, 25°C, 1000W/m2
Construction	Tempered glass front, anodized aluminium frame, IP65 rated with 2 bypass diodes. Integrated 0.5m cable and separate 6.5m panel cable.
Weight	4kg
Dimensions	670 x 420 x 30mm
Max Power Voltage	18 V
Max Power Current	1.67 A
Open Circuit Voltage	21.9 V
Short Circuit Current	1.79 A
Operating Temperature	-40°C to +85°C

Battery	Maintenance free AGM sealed lead acid battery * Supplied separately
Capacity	24Ah (0.05C)
Nominal Voltage	12V

Power System Controller	
Nominal Voltage	12V
Outputs	4 x 12V lighting outputs (2A, 24W shared) 2 x 5V USB outputs (1A, 5W shared) 1 x 12V device output (2A, 24W dedicated)
Inputs	Max PV voltage: 24V Max PV Power: 60W Max PV Current: 4A
Protections	PV array short circuit, Overload, Load short circuit, PV reverse polarity, Battery reverse polarity
Battery management	4 stage charge controller Upper Charging Limit: 14.4V Absorption Voltage: 14.4V Float Voltage: 13.8V Low Voltage Disconnect: 11.8V
Self-consumption	Active mode: 9-11mA Sleep mode: <1mA

LED Lamps	
Number of lamps	4 ultra bright LED tube lamps
Light output per lamp	290 lumens per ultra bright LED tube lamp (3.0W each)
Inbuilt cable	3.75m per lamp
Lamp cables	Four 0.5m switch cables
	One 1.5m extension cable , one 4m extension cable, one 6m extension cable, one 8m extension cable

Other Included Accessories	
	USB to multiple phone charging kit Mounting screws and clips

Warranty All components guaranteed for 24 months from date of purchase by first user. The warranty is not valid if product is misused or damaged by the user. For warranty terms and conditions please contact Barefoot Power at info@barefootpower.com

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power®
barefootpower.com

Barefoot Connect Charge
Solar Phone Charging System

Product Highlights :

• Barefoot Connect Charge is a solar-powered phone-charging solution. It provides light and the power to operate a mobile phone-charging business.

• Six USB outputs allow six phones or devices to be charged at once.

• The front 12V output powers the included pendant lamp or other 12V appliances.

• The large 20W panel provides enough power to charge approximately 15 mobile phones a day. The exact number of phones will depend on phone type and battery size.

• Simple plug-and-play installation does not require an electrician or trained service person. All necessary components are included for a fast, neat and easy installation.

• The high-tech controller extends the life of your battery and provides constant power via the USB and 12V outputs.

• The bright LED lamp provides enough light to operate your business in the evening.

• Barefoot Power provides a 24-month warranty on all Connect systems and components.

BATTERY

12V 5Ah

SOLAR PANEL

20W

RADIO

PHONE

FAN

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power
barefootpower.com

Barefoot connect®

Barefoot Connect Charge Solar Phone Charging System

Detailed Technical Specifications :

Solar Panel	
Rated output	20 Watts peak, at standard test conditions of 1.5ATM, 25°C, 1000W/m2
Construction	Tempered glass front, anodized aluminium frame, IP65 rated with 2 bypass diodes. Integrated 0.5m cable and separate 6.5m panel cable.
Weight	3kg
Dimensions	540 x 300 x 17mm
Max Power Voltage	18 V
Max Power Current	1.11 A
Open Circuit Voltage	21.9 V
Short Circuit Current	1.1 A
Operating Temperature	-40°C to +85°C

Battery	Maintenance free AGM sealed lead acid battery
Capacity	5Ah (0.05C)
Nominal Voltage	12V

Power System Controller	
Nominal Voltage	12V
Outputs	6 x 5V USB outputs (3A, 15W shared) 1 x 12V device output (2A, 24W dedicated)
Inputs	Max PV voltage: 24V Max PV Power: 30W Max PV Current: 2A
Protections	PV array short circuit, Overload, Load short circuit, PV reverse polarity
Battery management	4 stage charge controller Upper Charging Limit: 14.4V Absorption Voltage: 14.4V Float Voltage: 13.8V Low Voltage Disconnect: 11.8V
Self-consumption	Active mode: 9-11mA Sleep mode: <1mA

LED Lamps	
Number of lamps	1 bright LED lamps
Light output per lamp	75 lumens per lamp
Inbuilt cable	3.75m per lamp
Lamp cables	One 0.5m switch cable
	One 1.5m extension cable

Other Included Accessories	
	6 x USB to multiple phone charging kits Mounting screws and clips

Warranty All components guaranteed for 24 months from date of purchase by first user. The warranty is not valid if product is misused or damaged by the user. For warranty terms and conditions please contact Barefoot Power at info@barefootpower.com

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power®
barefootpower.com

Barefoot Connect Li, 600 and Charge Installation Instructions

IMPORTANT: The system will activate for the first time only when the solar panel is in full sun and plugged into the controller.

1. Using the included wall screws, install the Barefoot Connect controller indoors with indicator lights visible and the USB ports accessible.

IMPORTANT: The Barefoot Connect controller must not be installed outdoors.

2. Permanently install the solar panel on the roof in a position that receives full sunshine all day. The solar panel is weatherproof.

3. Plug the solar panel into the controller.

4. When charging, the battery status LEDs will flash.

5. Install lamps in convenient locations and connect the switch wires from lamps to the controller.

6. Attach wires to the walls using the included wire mounting clips.

Your Barefoot Connect is ready to use.

7. The four LEDs indicate battery status. At least once a week ensure that the system is charged until the green LED illuminates. The green LED indicates 100% charge - it is not critical to reach 100% charge every day.

8. The red LED indicates a low battery. The lamps will also double flash when there is only approximately 20 minutes of power remaining.

9. If the controller is not in use for 10 minutes, the LEDs turn off to save power.

10. After 72 hours of inactivity (no use or charging) the controller will enter factory sleep mode to conserve power. The solar panel will need to be placed in full sun and plugged into the controller to reactivate.

11. Barefoot Connect has automatically resetting fuses. If the USB, 12V output or lamps stop working, unplug the device and wait five minutes before trying again.

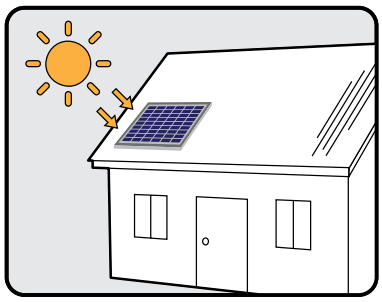
12. If the system does not reset, unplug all outputs and the solar panel. Wait one minute and refer back to “Step 3”.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

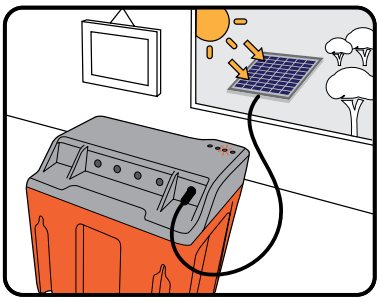
Barefoot connect®

Barefoot Connect Installation Instructions

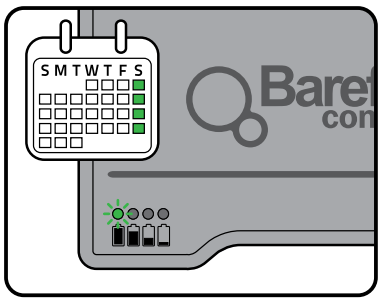
Barefoot Connect Li 1000, 600 and Charge Installation Instructions



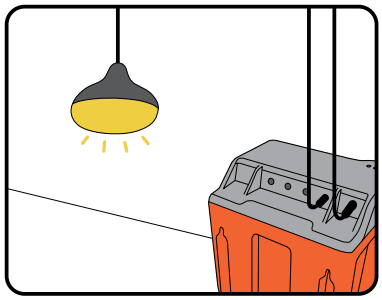
1. Permanently install the panel outdoors in direct full sun all day.



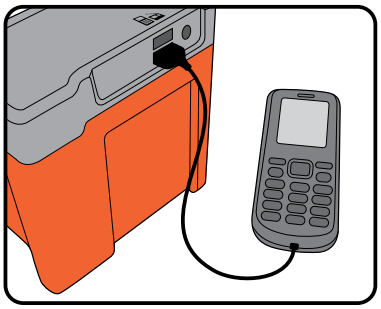
2. Install the Controller indoors. Plug panel into the Controller. LEDs will flash when charging.



3. Fully charge the battery at least once per week.



4. Plug lights into the controller.



5. Use the USB and 12V outputs for charging phones and powering Barefoot Power Accessories.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power®
barefootpower.com

Barefoot Connect 2000, and 3000 Installation Instructions

1. Using the included wall screws, install the Barefoot Connect controller indoors
with indicator lights visible and the USB ports accessible.

IMPORTANT: Barefoot Connect controller must not be installed outdoors.

2. Permanently install the solar panel on the roof in a position that receives full sunshine all day. The solar panel is weatherproof.

3. Install the battery in a convenient location and attach cable clips to the battery terminals. Ensure the red clip is attached to the positive (+) battery terminal and the black clip attached to the negative (-) battery terminal. Plug the other end of the battery cable into the battery input on the controller.

4. Plug the solar panel into the controller.

5. When charging, the battery status LEDs will flash.

6. Install lamps in convenient locations and connect the switch wires from lamps to the controller.

7. Attach wires to the walls using the included wire mounting clips.

Your Barefoot Connect is ready to use.

8. The four LEDs indicate battery status. At least once a week ensure that the system is charged until the green LED illuminates. The green LED indicates 100% charge - it is not critical to reach 100% charge every day.

9. The red LED indicates low battery. The lamps will also double-flash when
there is only approximately 20 minutes of power remaining.

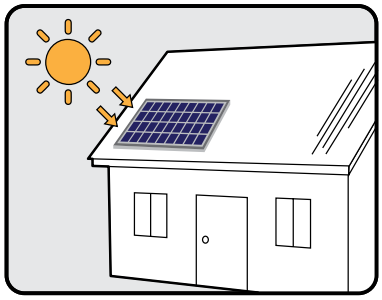
10. If the controller is not in use for 10 minutes, the LEDs turn off to save power.

11. Barefoot Connect fuses reset automatically. If the USB, 12V output or
lamps stop working, unplug the device and wait 5 minutes before trying again.

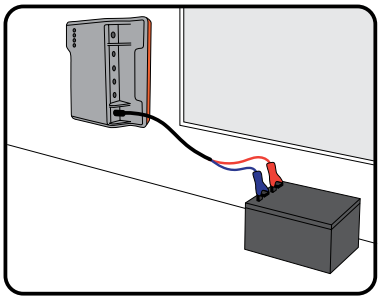
12. If the system does not reset, unplug all outputs, battery, and the solar panel. Wait one minute and refer back to “Step 3”.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

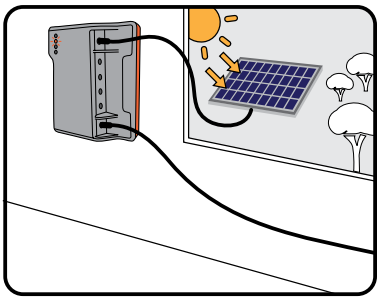
Barefoot Connect 2000, and 3000 Installation Instructions



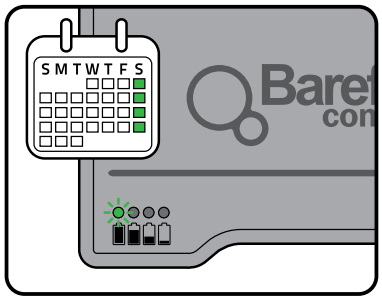
1. Permanently install the panel outdoors in direct full sun all day.



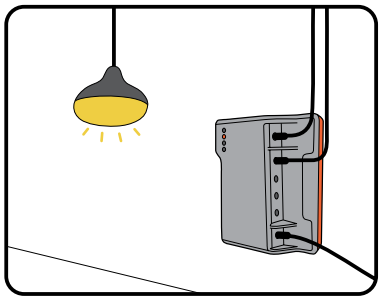
2. Install the Controller Indoors. Plug battery into controller.



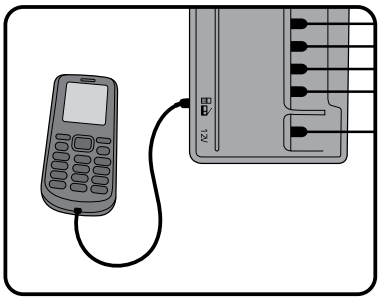
3. Plug panel into the Controller. LEDs will flash when charging.



4. Fully charge the battery at least once per week.



5. Plug lights into the controller.



6. Use the USB and 12V outputs for charging phones and powering Barefoot Power Accessories.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power
barefootpower.com

Barefoot Connect Frequently Asked Questions

START UP How is the Barefoot Connect system turned on?

To activate the system for the first time place the solar panel in full sun and plug panel into the controller.

The Connect 600, Li and Charge controllers will automatically re-enter 'shut-down mode" if system is not used for 72 hours. To re-activate the system, after it has entered 'shut-down mode" place the panel in full sun and plug it into the controller.

BATTERY AND CHARGING Does Barefoot Connect need to be charged before use?

No, as long as one of the orange LEDs illuminates Barefoot Connect can be used straight away. However, the user may not get full run-time on the first night and must make sure the system charges to 100% at least once a week. The LED's will continue to flash when charging.

If the red LED or no LED illuminate, the system should be charged for one day before use.

How do I know if the system is fully charged?

The green LED indicator will show when the battery 100% charged.

The two orange LED indicators show when the battery is 25% to 75% charged.

The red LED indicator shows when the battery has less than 25% charge left.

What is the difference between a sunny day of charging and full charge?

The Energy use tables are based on available power per sunny day of charging, that is approx.

The batteries are sized to have a larger capacity. Therefore to fully charge the battery allow for at least another half day of charging.

Can the battery be totally drained?

No. The battery controller automatically disconnects the load when the 'low battery' point is reached in order to protect the battery. Before this happens the controller will double flash all loads on and off as a warning.

How do I know if the system is charging correctly?

The battery status LED's will flash when the system is charging.

Why do the battery status LED's turn off?

If the battery is not charging or the system is not in use the LED's will turn off to conserve power. This can happen at night or when the controller is in 'shut-down (sleep) mode". As soon as a device or lamp is used, or the system starts charging, the controller will 'wake up" and the LED's will flash to indicate the power level again.

Does Barefoot Connect battery need to be boosted before selling?

Not usually. Only if the red LED comes on when it is first activated.

The Barefoot Connect should be boosted before selling to the end-user if the red LED comes on. Batteries must only be boosted via a Barefoot Connect controller with an approved Barefoot Power AC charger.

If no LEDs turn on, the system will need to be serviced by a trained technician. For full details refer to the Barefoot Power Battery Management policy.

The Barefoot Connect 600 battery must not be removed from the controller for boosting.

If the battery has been removed or the controller interfered with then the warranty is void.

SOLAR PANEL Where should the solar panel be installed?

The solar panel must be permanently installed outside in full sunlight where it will receive direct sun and not be overshadowed by trees or buildings. Usually the best place is on top of the roof of a building.

To maximise solar power, the solar panel should be cleaned every three months. In very dusty areas, cleaning could be required up to every two weeks.

The panel can be fixed directly to the roof. For extra security the panel can be mounted in a metal frame fixed to the roof or the top of a pole.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power
barefootpower.com

If the panel is mounted in a frame then allow a 10mm clearance round the panel surround for expansion in hot weather. If the panel is welded for security, ensure that the welding material does not come into contact with the panel.

It is important that the solar panel faces towards the equator at a slope equivalent to the latitude. For regions near the equator, the panel should be kept facing upwards, with a slope of 10 degrees to either the north or south. The slope helps the rain wash the panel.

Does the solar panel still produce power when it's cloudy?

Yes. The amount of power produced by the solar panel is proportional to the strength of the sun. During cloudy periods, the output of the solar panel can be as low as 10% of its rated power. The battery provides some backup to ensure the lights still work after a cloudy day.

Is the solar panel waterproof?

The panel is water-resistant. It is water-proof as long as the water runs off and does not enter the sealed connector box mounted on the rear of the panel. Best practise is to mount the panel with a gap between it and the roof to allow the water to run freely on the top and beneath.

Do not place the panel on the ground or where it could end up in a pool of water if it rains.

LIGHTS How many hours of light per lamp per night can the system run?

All Barefoot Connect systems will run all the lights for at least 6 hours per night after one full sunny day of charging. Larger systems will power the lamps for up to 13 hours.

What is the maximum number of tube lamps that the Connect 2000 or 3000 can run?

Although the Barefoot Connect 2000 and 3000 systems can operate a total of 12 tube lights, it is not recommended as the systems would need to be upgraded with larger panels and batteries to run more lamps than those included in the box.

The lamps included in the box are the recommended number to give the most efficient output and still have power left for running some accessories.**How long can the lights run on a full battery?**

All Barefoot Connect systems will run all the lights for at least 9 hours on one full battery.

What is the wattage and brightness of the lamps?

Barefoot Connect Bright LED lamps produce 75 lumens at 0.75W.

Barefoot Connect Ultra Bright LED lamps produce 150 lumens at 1.5W.

Barefoot Connect Ultra Bright LED tubes produce 290 lumens at 3.0W.

DEVICES Why do I not get the same runtimes for lights when I use devices?

Any device that is plugged in will draw power from the battery resulting in reduced battery capacity and shorter runtimes for the lamps – see the Energy Use tables for the various power ratings.

The Barefoot Connect systems are sized to be affordable and efficient, rather than to run everything all the time. The user will need to select a system that best suits their needs and lifestyle.

What devices can be charged through the USB ports?

Any device that can be charged or powered from a computer USB can be charged from the Barefoot Connect USB output. This includes smart phones and tablets.

The USB ports on the Barefoot Connect systems are standard USB outputs of 1A at 5V.

It is important that phones or devices are unplugged when they are fully charged so that they do not keep drawing power.

To conserve power, all Barefoot Connect systems enter sleep mode when they are not being used. Leaving a device plugged in once charged, will prevent the system entering sleep mode.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Connect Frequently Asked Questions

What devices can be charged from the 12V output?

The 12V output has been designed to power Barefoot Power certified accessories including TV and fan.

Any device that draws less than 24W and 2Amps of power can be plugged into the 12V output on the front of the controller.

The Energy Use tables show the runtimes of the various Connect accessories.

Which phones can the Barefoot Connect systems charge?

Barefoot Connect systems can charge any 5V USB-compatible phone or device.

Barefoot Connect systems come with a phone charging kit which includes a 1.5m long USB-to-phone cable, and a range of the most popular phone pins.

SAFETY FEATURES What happens to the controller if it is overloaded?

If an output is overloaded, the fuse will trip and cut the power. Once this load is removed the fuse will reset automatically and the output will continue working.

Barefoot Connect controllers include automatic thermal fuses to ensure that they are not damaged from over-loading.

When does the controller cut the load to the battery?

When the battery is nearly flat the controller will double flash all the loads on and off as warning before cutting the load to the battery.

If this happens remove all loads and recharge the battery before re-use.

Barefoot Connect systems have a low-voltage disconnect point of 11.8V to protect the battery fro over discharge.

POWER What is the total wattage that can be powered by the system?

The Barefoot Connect systems can provide a total of 53W.

This includes 24W from the 12V output on the front, 24W from the 12V lighting outputs and 5W from the 2 USB outputs.

53W is equal to 4.4 Amps at 12 V.

See Barefoot Connect Energy Use tables for power usage of individual components.

Can Barefoot Connect systems be upgraded?

Barefoot Connect 2000 and 3000 are fully upgradable. The panel can be upgraded to a total of 60W. There is no limitation as to the maximum size of the 12V battery.

Barefoot Power provides 6W and a 30W panel upgrade kits as an accessories.

It is important to review the BFP Energy Use tables before considering an upgrade.

Barefoot Connect 600 is partially upgradable. As the battery is internal, only the panel can be upgraded to a maximum of 30W. This would be useful only to run more devices during the day as the amount of power at night will not change.

It is important to note that only one battery at a time should be connected to the Barefoot Connect systems at any one time.

Connecting an old and new battery at the same time could damage both the batteries and the controller.

Can Barefoot Connect systems operate with a 24V battery?

No. Barefoot Connect systems can operate with only 12V Sealed Lead Acid batteries rated to charge with a float of 13.8V and absorption of 14.4V.

How does the Warranty work?

All Barefoot Connect systems carry a two year warranty.

If the Barefoot Connect system appears not to be working properly then the system should be returned, together with the original receipt, to the local distributer who will evaluate the system.

Do not try and repair the system. If the system has been interfered with, damaged from an external force or submerged in water the warranty will be void.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

barefootpower.com

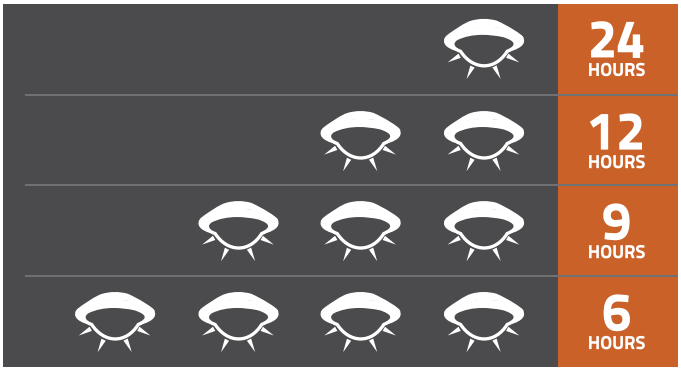
Barefoot connect®

Barefoot Connect Energy Use Tables

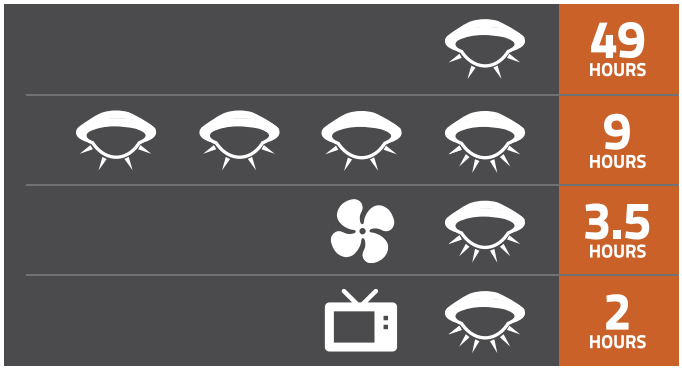
Lighting & Accessory Runtime After One Sunny Day of Charging

Runtimes based on Barefoot Power certified lamps and accesories

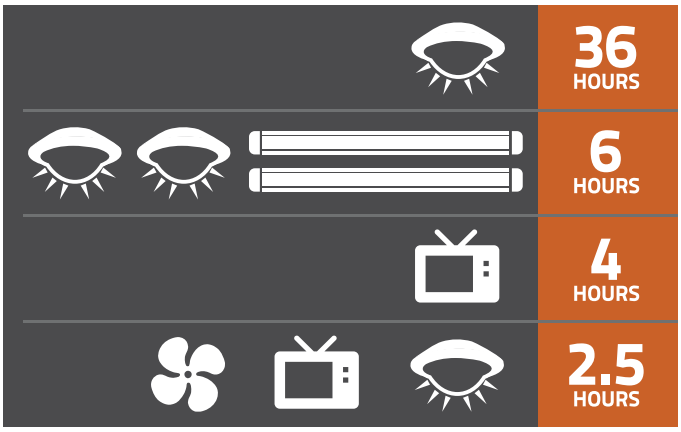
BAREFOOT CONNECT 600



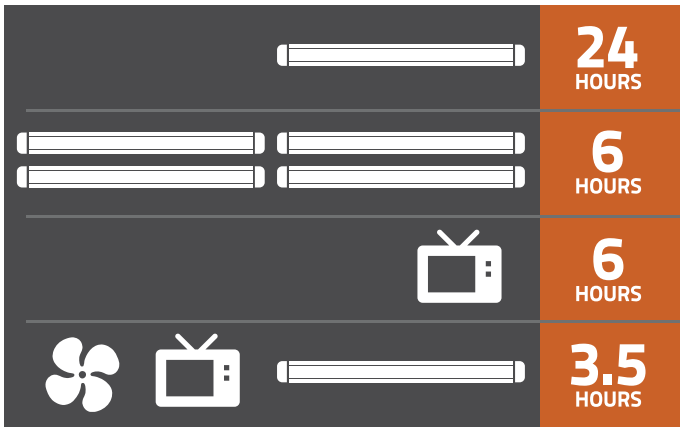
BAREFOOT CONNECT Li 1000



BAREFOOT CONNECT 2000



BAREFOOT CONNECT 3000



info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power®
barefootpower.com

Barefoot Connect Energy Use Tables

The following energy ratings take all power efficiency losses into consideration providing an accurate method to calculate energy requirements based on users' needs.

Calculations should be based on available power per sunny day of charging to ensure enough power is available each and every day.

All devices are either 12V or USB 5V compatible.

Barefoot Connect Energy Capacity

	ENERGY AVAILABLE PER SUNNY DAY OF CHARGING (Wh)
Barefoot Connect 600	17
Barefoot Connect Li 1000	28
Barefoot Connect 2000	55
Barefoot Connect 3000	83
Barefoot Connect Charge	55 (21Wh battery storage)

Typical Device Energy Consumption

	Wh USED PER HOUR
Barefoot Connect Bright LED Lamp	0.75
Barefoot Connect Ultra Bright LED Lamp	1.5
Barefoot Connect Ultra Bright LED Tube	3
Fan (High Setting)	6
Fan (Medium Setting)	4.6
Pedestal Fan (High Setting)	13
Pedestal Fan (Medium Setting)	11
TV (16 inch)	13
TV (22 inch)	25
	Wh USED PER CHARGE
Portable Radio	3
Standard nokia phone	3
iPhone 4	5
iPad Mini	16
iPad 2	26

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

barefootpower.com

Barefoot connect®

Barefoot Connect Energy Use Tables

Typical Usage Example 1

	ENERGY REQUIRED PER DAY (Wh)
2 x Bright LED Lamp for 6 hours per day	9.0
1 x Bright LED Lamp for 2 hours per day	1.5
1 x Standard Nokia recharge per day	3.0
1 x Radio recharge per day	3.0
TOTAL	16.5Wh (CONNECT 600)

Typical Usage Example 2

	ENERGY REQUIRED PER DAY (Wh)
2 x Bright LED Lamp for 6 hours per day	9
1 x 16 inch TV 2 hours per day	26
4 x Standard Nokia recharge per day	12
1 x Radio recharge per day	3
TOTAL	50Wh (CONNECT 2000)

Typical Usage Example 3

	ENERGY REQUIRED PER DAY (Wh)
1 x Ultra Bright LED Tube for 6 hours per day	18
2 x Ultra Bright LED Lamp for 6 hours per day	18
1 x Standard Nokia recharge per day	3
1 x 16 inch TV 3 hours per day	39
1 x Radio recharge per day	3
TOTAL	81Wh (CONNECT 3000)

Typical Usage Example 4

	ENERGY REQUIRED PER DAY (Wh)
2 x Ultra Bright LED Tubes for 6 hours per day	36
5 x Standard Nokia recharge per day	15
1 x Fan (High Setting) for 4 hours per day	24
1 x Radio recharge per day	3
TOTAL	78Wh (CONNECT 3000)

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power®
barefootpower.com

Barefoot Power®

Domestic Appliances
Catalogue

Barefoot Power Digital Solar 16” TV and DVD Player

The Barefoot Power 12V TV and DVD player plugs directly into the Barefoot Connect 12V output. It includes a multi-region DVD player and USB input for playing movies and other multimedia files.

By utilising the latest LED technology and efficient power supply, average power consumption is only 16W. Basic product specifications include;

1. 16 inch LED display
2. Remote control
3. Multi-region DVD player
4. USB movie player
5. AV input
6. HDMI inputs
7. Analogue/digital tuner
8. ON/OFF switch to disconnect power to device
9. 12V Barefoot Connect power cable
10. 16W average power consumption

It is critical to switch the TV off at the power cable when not in use to conserve battery power. The TV will continue to use power if left on, or in standby mode.

The Barefoot Power TV is compatible with all Barefoot Connect systems. However, it is recommended for use only with larger system to preserve enough power for lighting and other activities.

Barefoot Power provides a 12 month warranty on this accessory.

Runtime per full day of charging

	Connect Li 1000	Connect 2000	Connect 3000
No lamps on	1.75 hours	3.5 hours	5 hours
All lamps on for 3 hours	0.75 hour	1.75 hours	2.5 hours

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power Digital Solar 16” TV

The Barefoot Power 12V Solar TV plugs directly into the Barefoot Connect 12V output. It includes a USB input for playing movies and other multimedia files.

By utilising the latest LED technology and efficient power supply, average power consumption is only 13W. Basic product specifications include;

1. 16 inch LED display
2. Remote control
3. USB movie player
4. AV input
5. HDMI inputs
6. Analogue/digital tuner
7. ON/OFF switch to disconnect power to device
8. 12V Barefoot Connect power cable
9. 13W average power consumption

It is critical to switch the TV off at the power cable when not in use to conserve battery power. The TV will continue to use power if left on, or in standby mode.

The Barefoot Power TV is compatible with all Barefoot Connect systems. However, it is recommended for use only with larger system to preserve enough power for lighting and other activities.

Barefoot Power provides a 12 month warranty on this accessory.

Runtime per full day of charging

	Connect Li 1000	Connect 2000	Connect 3000
No lamps on	2 hours	4 hours	6 hours
All lamps on for 3 hours	1 hour	2 hours	3 hours

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power Digital Solar 22” TV and DVD Player

The Barefoot Power 12V, 22” TV and DVD player plugs directly into the Barefoot Connect 12V output. It includes both a multi-region DVD player, and USB input for playing movies and other multimedia files.

By utilising the latest LED technology and efficient power supply, average power consumption is only 28W. Product specifications;

1. 22 inch LED display
2. Remote control
3. Multi-region DVD player
4. USB movie player
5. AV input
6. HDMI inputs
7. Analogue/digital tuner
8. ON/OFF switch to disconnect power to device
9. 12V Barefoot Connect power cable
10. 28W average power consumption

It is critical to switch the TV off at the power cable when not in use to conserve battery power. The TV will continue to use power if left on, or in standby mode.

The Barefoot Power 22” TV is only compatible with 20W and 30W Barefoot Connect systems. A 30W upgrade kit is recommended when using the product.

Barefoot Power provides a 12 month warranty on this product.

Runtime per full day of charging

	Connect 2000	Connect 3000	Connect 3000 + 30W upgrade
No lamps on	2 hours	3 hours	6 hours
All lamps on for 3 hours	1 hour	1.5 hours	3 hours

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power Digital Solar 22” TV

The Barefoot Power 12V, 22” TV plugs directly into the Barefoot Connect 12V output. It includes a USB input for playing movies and other multimedia files.

By utilising the latest LED technology and efficient power supply, average power consumption is only 25W. Product specifications;

1. 22 inch LED display
2. Remote control
3. USB movie player
4. AV input
5. HDMI inputs
6. Analogue/digital tuner
7. ON/OFF switch to disconnect power to device
8. 12V Barefoot Connect power cable
9. 25W average power consumption

It is critical to switch the TV off at the power cable when not in use to conserve battery power. The TV will continue to use power if left on, or in standby mode.

The Barefoot Power 22” TV is only compatible with 20W and 30W Barefoot Connect systems. A 30W upgrade kit is recommended when using the product.

Barefoot Power provides a 12 month warranty on this product.

Runtime per full day of charging

	Connect 2000	Connect 3000	Connect 3000 + 30W upgrade
No lamps on	2 hours	3.25 hours	6.5 hours
All lamps on for 3 hours	1 hour	1.5 hours	3.25 hours

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power Solar Fan

The powerful and stylish Barefoot Power 12v Solar Fan complements the Barefoot Power product range and is perfect for cooling and ventilation.

The fan plugs directly into the Barefoot Connect front 12v output and includes a two-metre cable.

Barefoot Power provides a 12-month warranty on this accessory.

Fan height: 23cm
Fan power: 6W on high, 4.6W on medium

Runtime on high per full day of charging

	Connect Li 1000	Connect 2000	Connect 3000
No lamps on	4.5 hours	9 hours	13 hours
All lamps on for 3 hours	2.5 hours	6.5 hours	10 hours

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power Solar Pedestal Fan

The powerful and stylish Barefoot Power 12v Solar Pedestal Fan is perfect for cooling and ventilation for the entire family or business. The powerful yet energy efficient fan can be operated on three settings to maximise cooling or maximise runtime.

The fan plugs directly into the Barefoot Connect front 12v output and includes a 1.8 metre cable.

Barefoot Power provides a 12-month warranty on this accessory.

Fan diameter :	40cm
Fan power :	13W on high, 11W on medium, 9W on medium

Runtime on medium per full day of charging

	Connect 2000	Connect 3000	Connect 3000 + 30W upgrade
No lamps on	5 hours	7.5 hours	15 hours
All lamps on for 3 hours	2.5 hours	3.25 hours	7.5 hours

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Power Solar Laptop Charger

The Barefoot Power Laptop Charger allows you to keep connected and able to work when grid power is not available. It plugs directly into the Barefoot Connect 12V output and includes eight charging tips to suite most ultrabook laptops.

The Barefoot Power Laptop Charger is designed to power energy efficient ultrabook laptops but may charge some larger laptops as well.

If your laptop is drawing too much power and not charging you may be able to use this charger when your laptop is turned off or in sleep mode.

The laptop charger includes a variable output voltage switch (16V/18V/19V/20VDC) and provides a maximum output of 40W.

Ensure the correct output voltage has been selected and that the polarity of the charging tips has been checked before plugging into your laptop

The Barefoot Power Solar Laptop Charger is only compatible with 20W and 30W Barefoot Connect systems. A 30W upgrade kit is recommended when using the product.

It is critical to unplug the laptop charger when not in use to conserve battery power.

Barefoot Power provides a 12 month warranty on this accessory.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

barefootpower.com

Solar MP3 Player
and Radio

Barefoot Power Solar MP3 Player and Radio

The Barefoot Power MP3 player and Radio is perfect for areas without reliable grid power. It is a tri-band (AM/FM/SW) compact portable radio with a back-lit LCD display and digital clock. It can also be used as an MP3 player by connecting a USB or micro SD card (32GB max).

The radio features a built-in rechargeable lithium ion battery and can plug directly into the Barefoot Connect or Barefoot Go USB outputs.

The radio includes a USB cable and a 3.5mm headphone output for private use.

Barefoot Power provides a 12-month warranty on this accessory.

Battery type:	1020mAh Lithium Ion battery
Frequency:	AM(MW)/FM/SW
Battery replaceable:	Yes
Full battery runtime:	11 hours
Charging time:	2 hours
Dimensions:	114 x 70 x 45mm

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

barefootpower.com

Barefoot Power 55L 12V Solar DC Fridge Kit

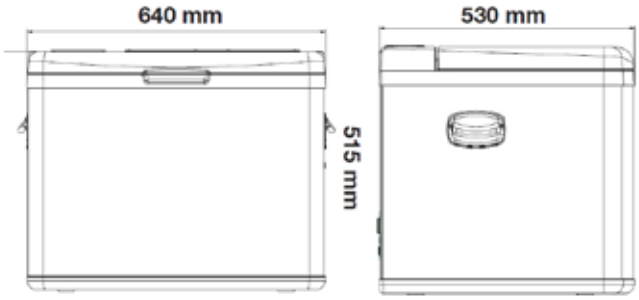
The Barefoot Power 55L Solar Fridge Kit can hold 70 standard drink cans and includes;

1. **55 litre Barefoot Power fridge with top of the range Danfoss BD35K R600a compressor**
2. **20Amp Barefoot Power solar controller**
3. **155W solar panel**
4. **75.6Ah, 12V AGM SLA battery**
5. **All cables (no tools required for installation)**

To maximize performance and power efficiency the fridge comes with an adjustable thermostat. It is recommended that the temperature be set between 5 and 10deg C.

The fridge must be installed indoors in a shady cool area.

Barefoot Power provides a 12 month warranty on this system.



info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

barefootpower.com

Barefoot Power Solar Security Lamp

The Barefoot Power security lamp incorporates both an ambient light and motion detector so that it will only turn on after dark when someone approaches the lamp.

The lamp will improvie the security of you family and you property.

The security lamp is supplied with a 8m long cable and splitter cable so can be easity plugged into ant Barefoot Connect solar home system.

Barefoot Power provides a 12-month warranty on this accessory.

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Connect AC Chargers

The Barefoot Connect AC Chargers have been designed to safely charge Barefoot Connect systems from grid or AC power.

All AC chargers are supplied with a standard British wall plug. A local plug adaptor may be required – this is not supplied by Barefoot Power. The AC chargers must be plugged into a Barefoot Connect controller solar input to charge the battery.

Three chargers are available to maximise battery performance and life. The correct charger must be used as per the table below.

Barefoot Power provides a 12 month warranty on these accessories.

AC Charger Model Number	Output Current	Compatible Barefoot Connect System	To Charge Battery Size
150-30-0007	0.4A	Connect 600/620/1000	12V, 3.3-5Ah
150-30-0008	1.2A	Connect 2000/2020/2050	12V, 12Ah
150-30-0009	2.4A	Connect 3000/3050/FL	12V, 24Ah

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0

Barefoot Connect Solar Panel Upgrade Kits

Barefoot Connect Panel Upgrade Kits come with both a panel and splitter cable. This allows an additional panel to be added to your existing Barefoot Connect system.

For Connect 2000 and 3000 series, the splitter cable is connected at the solar panel. For Connect 600 series, the splitter cable is connected at the controller.

Depending on the system configuration, more energy may be generated throughout the day than can be stored in the battery - this allows for charging of mobile phones or powering other devices during the day to utilise this energy.

Depending on the specific requirements, a battery upgrade for Connect 2000 and 3000 series may be useful to maximise performance.

Ensure that the correct upgrade kit is used so as not to damage the battery and void any Barefoot Power warranty.

Barefoot Power provides a 12 month warranty on these accessories.

Barefoot Connect 600
Series Panel Upgrade Kit
Model Number: 180-30-0008
Includes 6W Panel and
6W Splitter Cable

Barefoot Connect 2000/3000
Series Panel Upgrade Kit
Model Number: 180-30-0009
Includes 30W Panel and
30W Splitter Cable

info@barefootpower.com
© Barefoot Power Ltd 2016 v3.0