

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

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, IP65 rated with 2 bypass diodes. 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	1 ultra bright and 3 bright LED lamps
Light output per lamp	150 lumens per ultra bright LED lamp, 75 lumens per bright LED lamp
Inbuilt cable	3m per pendant lamp
Switch cables	One 3m cable, two 5m cables, one 7m 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

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".