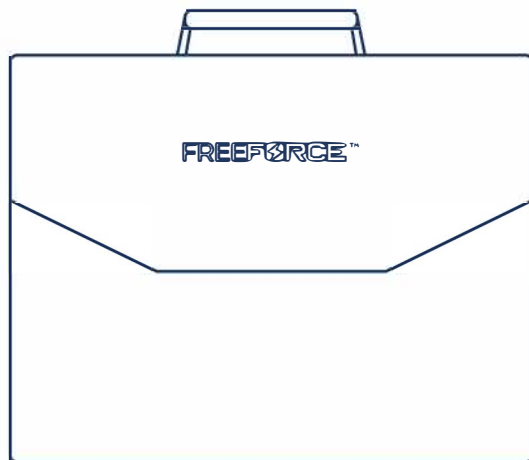


FREEFORCE™

FOLDABLE SOLAR PANEL



USER MANUAL

- **What's in the Box**
- **Compatible FREEFORCE Products**
- **How to Charge**
- **Frequently Asked Questions**
- **Technical Specifications**
- **Warranty Information**
- **Contact Information**

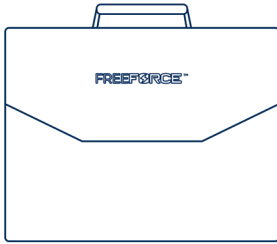
The purpose of this manual is to help you use your product to its full capability! Please contact us directly if you have further questions about your FreeForce product here:

 hi@freeforcepower.com

 888-984-2762

 www.freeforcepower.com

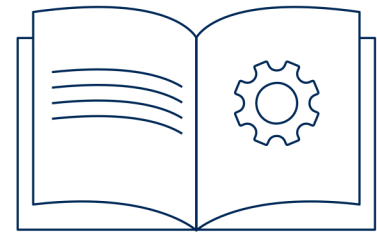
WHAT'S IN THE BOX



FreeForce Solar Panel



79" DC Cable



User Manual

COMPATIBLE FREEFORCE PRODUCTS



Freeforce Ultralite 465



Freeforce Ultralite 600

USING YOUR PRODUCT TO CHARGE PHONES & USB DEVICES



Phone, Fan, Light, Power Bank

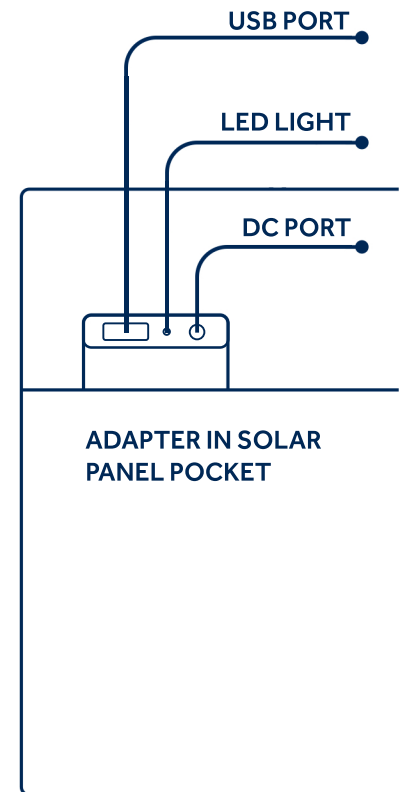
1. Unfold the solar panel charger and place the panels under direct sunlight.
2. Plug your phone or USB device's charging cord into the USB port on the solar panel charger. The LED light on the adaptor will turn on when it is connected to both devices and the solar panel is placed in sunlight and charging.
3. Keep your device cool while charging. Place it under the solar panel, in the pocket of the solar panel or in the shade to avoid overheating.

USING YOUR PRODUCT TO CHARGE POWER STATIONS & DC DEVICES



FreeForce Ultralite 465C, 465, 600

1. Unfold the solar panel charger and place the panels under direct sunlight.
2. Plug the DC cable into the solar panel's adaptor and into the inport of your DC device. The LED light on the adaptor will turn on when it is connected to both devices and the solar panel is placed in sunlight and charging.
3. Keep your device cool while charging. Place it under the solar panel, in the pocket of the solar panel or in the shade to avoid overheating.



FREQUENTLY ASKED QUESTIONS

IF MY DEVICE NEEDS AN INPUT CURRENT OF 1A, WILL THE 2A OUTPUT OF THE SOLAR CHARGER DAMAGE IT?

No. The solar panel has intelligent charging, detecting the needs of your device and delivering exactly what it needs. If your phone accepts 1A, the charger will deliver 1A.

WHAT IF THE FOLDABLE USB PORT SOLAR CHARGER IS NOT CHARGING MY DEVICES?

1. Check the manual of your device to ensure the input voltage is 5V.
2. Cloudy weather and indirect sunlight may cause fluctuations in the current. This in turn may hinder or prevent charging. Place the solar charger in direct sunlight or wait for the weather to clear.
3. Wipe the panels clean with a damp cloth between usage to prevent scratching.
4. Avoid exposure to fire, water and chemical liquid.

IF IT IS PARTIALLY CLOUDY OR SHADY WILL THE SOLAR CHARGER STILL WORK?

Yes, although the charging efficiency will be low causing prolonged charging time.

WILL THIS PANEL CHARGE A POWER BANK?

Yes. Be sure to put the power bank in the pocket of the charger to avoid direct sunlight or excessive heat.

SPECIFICATIONS

Solar panel power	60 watt sunpower solar cell , mono crystalline silicon panel
Output	DC Output Port: 12-20V 20V Max , USB Port: 5V2.1A Max
Solar transfer efficiency:	>18%
Output voltage & current	18V x 3.4A
Output port:	DC5521 (customizable)
Material	PET laminated, 600D PVC over glued waterproof cloth
Test environment	(1) AM = 1.5 (the actual distance which light travels through the atmosphere is 1.5 times the vertical thickness of the atmosphere), (2) 1000W/m ³ (irradiation of the light for the standard test solar cell), (3) 25 C (test temperature)
Unfold size	41.5" x 13" x .2"
Folding size	13" x 10" x 2"
Weight	3.15 lbs.

PRECAUTIONS

Before using this product, you should read the instructions carefully and be aware of the precautions.

Do not break, dismantle or drop this product.

Product is not waterproof. Avoid exposure to water, rain, and moist environments.

Dispose in accordance to local environmental laws.

WARRANTY INFORMATION

Proper use helps to extend the life of this product. Please operate strictly according to the user manual and under the prescribed conditions. This product is intended for consumer use only.

Warranty is valid for 1 year from the date of purchase.

During the warranty period, we will repair or replace the product at no cost, unless the damage is caused by:

- **Improper use or handling of the product (other than consumer use, rough use/dropping, improper charging)**
- **Disasters such as flood, fire or earthquake**
- **Unauthorized disassembling, repair or modification of the product**

CONTACT US



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888-984-2762



@freeforcepower

FREEFORCETM

FOLDABLE SOLAR PANEL