

ANTIGRAVITY BATTERIES

SOLAR PANEL XS-60

USER MANUAL



ANTIGRAVITY
ADV
ADVENTURE SERIES
SOLAR

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Welcome

THANK YOU

Congratulations on purchasing the Antigravity Batteries XS-60 Solar Panel, your ticket to energy freedom. Now you can use the Sun's radiance to charge and power your devices most anywhere. The XS-60 is designed to the highest technical specifications and standards. It will supply years of maintenance-free energy.

Please read this User's Manual fully before using this product.

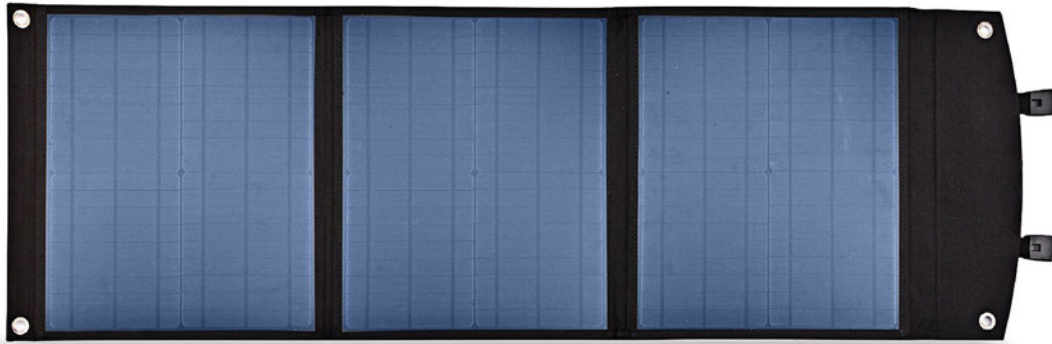
For more information feel free to Contact us.

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15622 Broadway Center St.
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90248



Kit Contents



60-WATT XS-60 FOLDABLE SOLAR CHARGER

MC4 TO DC5521 CHARGING CABLE



SET OF 10 DC-TO-DC ADAPTER TIPS

(allows for connection to most devices)

Specifications

SOLAR PANEL POWER	60 Watt mono-crystalline
USB OUTPUT	Quick Charge Port (Orange): 5V3.4A/9V2.5A/12V2A Max USB ports (Black): 5V3.1A Max
DC OUTPUT	18V 3.3A max
OPEN SIZE	59.8 x 13.8 x 1.2 in (1520x350x30mm)
FOLDED SIZE	13.8 x 13.4 x 2.4 in (350x340x60mm)
WEIGHT	6.5 lbs (2.95 kg)



Product Use



HOW TO CHARGE YOUR PHONE OR USB DEVICES

- 1) Unfold the Solar Panel and place the panels under direct sunlight. The more Sun, the better the charging!
- 2) Connect your USB Cord to your Phone/Tablet or other USB Device, then connect to the Solar Panel's USB Port. There are 3 USB Ports; the Orange is a Quick Charge Port. The Quick Charge will not work as well if the Sun is in shady conditions.

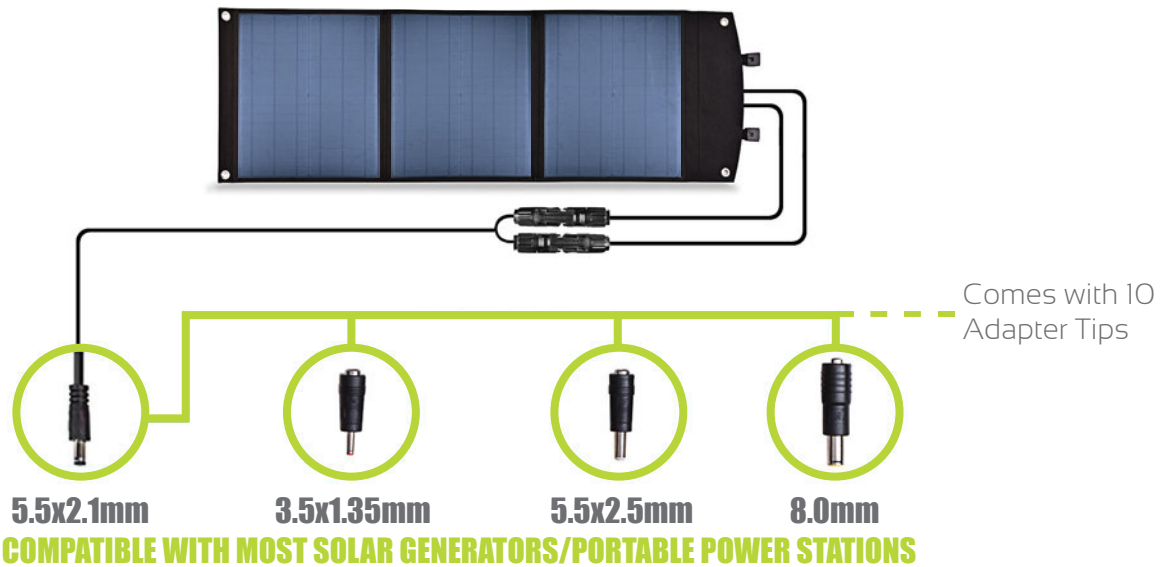


USING 18V DC TO CHARGE POWERSTATIONS & MORE

- 1) Unfold the Solar Panel and place the Panels under direct sunlight. The more Sun, the better the charging!
- 2) Connect the Main DC Power Cable to your Power Station or other Device using the Adapter (if needed) that fits your Device. When the Solar Panel is working you'll see a RED LED lit up on USB/Power Cable Connection Point.

IMPORTANT:

The main DC Power Cable from the Solar Panel can be used to charge your Power Station or other DC Devices that can accept 18v DC charging. We have included 10 of the most popular Adapter Tips, and the Standard MC4 Adapter so that your Solar Panel will be versatile and connect to as many devices as possible. In some cases we will not have an adapter for your particular device, but in most cases you can find an adapter for it on Amazon or the internet. The End Tip of our Main Cable is a 5.5mm tip.



IMPORTANT

Keep your Phone/USB Devices or Battery-Powered Devices cool and out of Direct Sunlight while charging. Many modern battery products have Thermal protections and can stop charging if they are getting overheated. Cool while charging. Place your device under the solar panel, in the pocket of the solar panel, or in the shade to avoid overheating. DO NOT leave your devices in direct sunshine; damage could result to your devices, or they may stop charging due to high temperatures. Phones and Tablets are sensitive to being in direct sunlight.

Frequently Asked Questions

1 IF MY DEVICE NEEDS 1-AMP INPUT, WILL 2-AMP OUTPUT DAMAGE IT?

No. If your device needs input current of 1A, the solar charger's 2A output will not damage it. 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.

2 WHAT IF THE USB PORT IS NOT CHARGING MY DEVICES?

- A) Check your device's manual to ensure the input voltage is 5V for USB Charging and capable of being charged by Solar. If the Solar Charger is getting Sun, the LED Light will be lit on the USB/Power Cable connection point on the Solar Panel.
- B) 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.
- C) Wipe the panels clean with a damp cloth between usage to prevent scratching and dust build-up.
- D) Avoid exposure to fire, water and chemical liquids. Do not use harsh chemicals; clean only with mild soap if needed. Do not overly wet the solar panels.

3 IF PARTIALLY CLOUDY OR SHADY WILL THE XS-60 STILL WORK?

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

4 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.



CAUTION:

Do not break, dismantle, or drop this product. Dispose of the charger according to local environment laws. This charger is not waterproof. Avoid exposure to water, rain, and moist environments.

IMPORTANT CONSIDERATIONS using Solar Panel Charging:

All Antigravity Batteries Products are made using the highest quality parts and offering the best quality performance. But with Solar Charging there are many variables such as the how much sun is out, how big your device battery is, and the type of device. These will dramatically affect the charging times of your devices. Also note the bigger the Solar Panel the more Wattage it can output, which also will allow for faster Charging.

WARRANTY INFORMATION

This product has a 1 year warranty. You must register your product within 30 days of purchase; you can do so online at our [Registration](#) page.



Limited Warranty (Non-Transferable)

1 WARRANTY PERIOD

Antigravity Batteries LLC (ANTIGRAVITY) warrants that its products (the “Product”) will be free from defects in material and workmanship for a period of one (1) year from the date of purchase (the “Warranty Period”). For defects reported during the Warranty Period, ANTIGRAVITY will, at its discretion, and subject to ANTIGRAVITY’s technical support analysis, replace the product. Replacement parts and products will be new or serviceably used, comparable in function and performance to the original part and warranted for the remainder of the original Warranty Period.

THE FOREGOING LIMITED WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANTIGRAVITY’S LIABILITY UNDER THIS LIMITED WARRANTY IS EXPRESSLY LIMITED TO REPLACEMENT (IN THE FORM AND UNDER THE TERMS ORIGINALLY SHIPPED), WHETHER SUCH CLAIMS ARE FOR BREACH OF WARRANTY OR FOR NEGLIGENCE. ANTIGRAVITY SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL LOSSES, DAMAGES OR EXPENSES OF ANY KIND, INCLUDING, WITHOUT LIMITATION, ANY SUCH LOSSES, DAMAGES, OR EXPENSES ARISING DIRECTLY OR INDIRECTLY FROM THE SALE, HANDLING, OR USE OF THE PRODUCT FROM ANY OTHER CAUSE RELATING THERETO, OR FROM PERSONAL INJURY OR LOSS OF PROFIT.

Some states, provinces and countries do NOT allow the exclusion or limitation of incidental or consequential damages or length of an implied warranty so the above limitation(s) or exclusion(s) may NOT apply. This Limited Warranty gives you specific legal rights and you may also have other legal rights, which vary by state, province and country.

2 LIMITED WARRANTY & CLAIMS

This Limited Warranty is made to the original purchaser from ANTIGRAVITY and does NOT extend to any other person or entity and is NOT assignable; a Warranty Claim is the obligation of the original purchaser.

THIS LIMITED WARRANTY IS VOID UNDER THE FOLLOWING CONDITIONS:

- 1) The Product was not purchased from an Authorized Dealer.
- 2) The original purchaser fails to register the Product within 30 days of purchase.
- 3) The Product is misused, subjected to careless handling, or operated under conditions of extreme temperature, shock, or vibration beyond ANTIGRAVITY’s recommendations for safe and effective use.
- 4) The Product has NOT been installed, operated, or maintained in accordance with approved procedures.
- 5) The Product is disassembled, altered, or repaired by anyone, except ANTIGRAVITY.
- 6) The electrical connections to the USB or DC outputs of the Product are modified without the express written consent of ANTIGRAVITY.
- 7) The Product is subject to improper storage or accident.
- 8) The Product has been used outside its intended use.



Limited Warranty (Continued)

3 WARRANTY DOES NOT COVER

- 1) Normal wear and tear.
- 2) Cosmetic damage that does NOT affect functionality.

4 WARRANTY CLAIM

The Limited Warranty is void either by elapsed time from date of purchase or from the conditions listed earlier in this document. For a Warranty Claim, it is the obligation of the original purchaser to:

- 1) Complete the Warranty Claim Form; you can download the PDF version from our [Warranty](#) page.
- 2) Forward the Product, including Claim Form and Proof of Purchase, to:

Antigravity Batteries, Attn: Warranty Department
15622 Broadway Center St. Gardena, CA 90248

COSTS OF TRANSPORTING PRODUCTS TO ANTIGRAVITY FOR WARRANTY SERVICE IS THE RESPONSIBILITY OF THE ORIGINAL PURCHASER.



REGISTERING YOUR XS-60

You **MUST** register your ANTIGRAVITY XS-60 product in order to validate the Limited Warranty. You can register the product Online; please visit our [Registration](#) page and submit the requested information.

Contact Us

When you need help or have questions, our knowledgeable support team is here for you! Please feel free to call us during our Office Hours 7:30am-4pm Pacific Time, Monday-Friday; or you can write to us any time!

310 527 2330

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VISIT OUR WEBSITES FOR MORE COOL PRODUCTS, ACCESSORIES AND INFO

ANTIGRAVITYBATTERIES.COM

THEMICROSTART.COM

