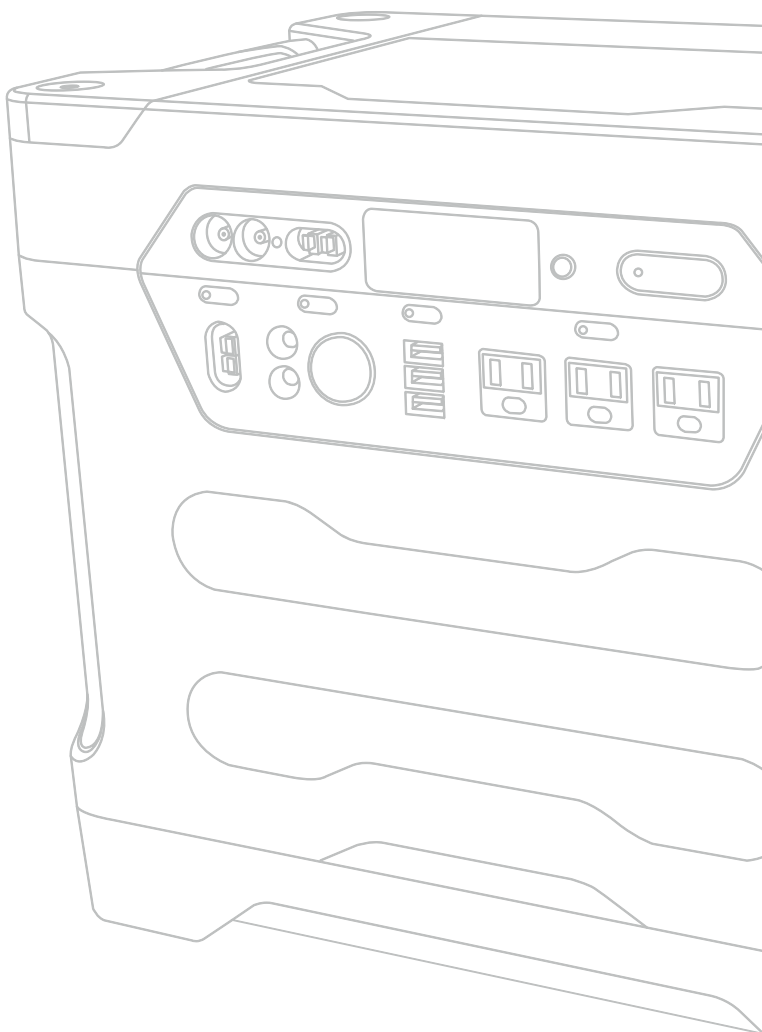


GOAL ZERO  
**YETI™1250**

**SOLAR GENERATOR KIT**





### CHARGE ME NOW

Before reading through the rest of the manual, plug your YETI into the wall. You should store your YETI plugged in, so the battery is always healthy and full.

## TABLE OF CONTENTS

Goal Zero products are designed to keep you powered while you're doing what you love. Whether you're climbing in the Himalaya, living in your van while you travel the world, or camping in your backyard we will keep you powered.

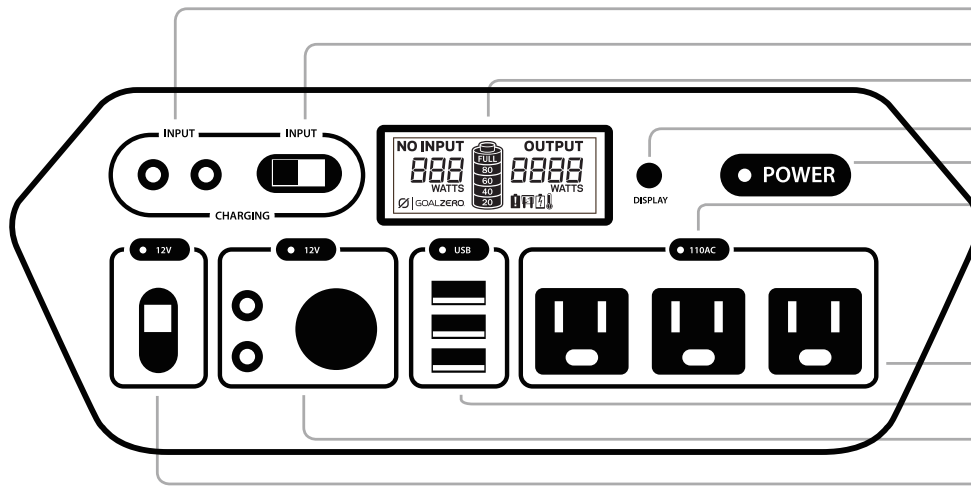
Welcome to the solar life.

Getting Started	2
i. Get to Know Your YETI	
ii. Unpacking Your YETI	
iii. What it Powers	
Charging your YETI	4
i. Charging from Solar	
ii. Charging from the Wall	
iii. Charging from the Car	
Using your YETI	6
i. What can I Power?	
ii. How to Use	
iii. Best-Use Strategy	
iv. Cold Weather Usage	
v. LCD Display	
vi. Storage and Downtime Maintenance	
vii. Chaining your YETI	
Technical Specifications	8
Frequently Asked Questions	9
Troubleshooting	11
Education	12
i. Batteries 101	
ii. Solar 101	
Warranty and Contact Info	14

Congrats on your new Goal Zero YETI 1250 Solar Generator, a plug-and-play generator for emergencies, camping, or wherever you need power. With 1250 watt-hours of power, you can keep laptops, lights, appliances, and refrigerators going for hours longer.

Make sure you go online and register your product to activate your warranty. You'll also be able to sign up to receive notifications and alerts regarding the YETI. [www.GoalZero.com/warranty](http://www.GoalZero.com/warranty)

## Get To Know Your Gear



### INPUT

- Solar/DC Inputs
- Anderson Powerpole
- Display
- Display Backlight
- Master Power Button
- Individual Port Power Button (master power must be on)

### OUTPUT

- AC Outlets (pure-sine wave)
- Three USB Outputs
- Three DC Outputs
- Anderson Powerpole

## Chaining Output

Anderson Powerpole chaining port located on the back of YETI.



- Anderson Powerpole
- Chaining Fuses

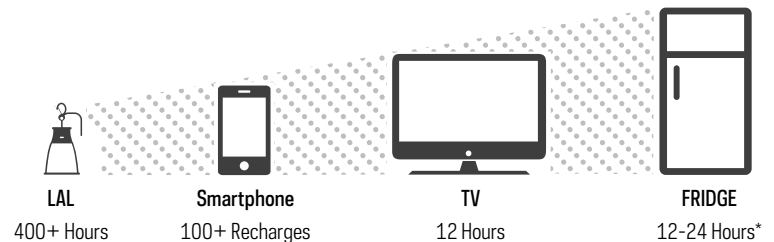
## Unpacking your YETI

- A AC Wall Charger (2 pieces)
- B Roll cart (For assembly, see separate user guide in box)
- C Goal Zero Yeti 1250 Solar Generator



## What it Powers

See page 6 for more details

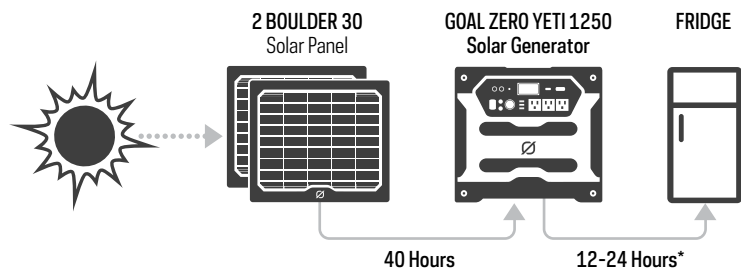


\* Full-size refrigerator runtimes from the Yeti 1250 are dependent on several factors, including the year, make and model of your refrigerator, as well as its volume, fullness and usage. We actively test a variety of refrigerators to determine an average runtime. For the longest runtimes and to optimize performance, we suggest limiting the opening and closing of refrigerator doors when powering from the Yeti 1250.

## Charging Your YETI

**CHARGE ME NOW:** Before using or storing, plug your YETI into the wall until it is fully charged. **Keep your YETI plugged in when not in use.** For more tips and tricks on keeping your battery healthy, see the BATTERY 101 section.

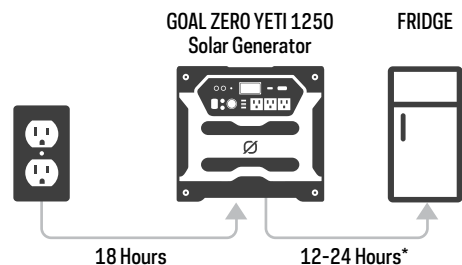
**LCD Battery Display:** The LCD Battery Display indicates the charge level of your YETI. There are 5 segments to the battery, approximating 20% - 40% - 60% - 80% - 100% capacity. As you use your YETI, segments will disappear from the display, indicating the remaining charge. When charging your YETI you will notice a battery segment blinking at a 1 second interval. This indicates the current charge status. Once your YETI is fully charged, all battery segments will be lit and remain solid.



### Charging from Solar

There are three different inputs you can use when charging your YETI from solar, all located in the "INPUT" area in the top left corner of the YETI faceplate. The two, round 8mm ports are designed to be used with Goal Zero Solar Panels. Each port can handle up to 160W of power - the combined total cannot exceed 240W. The Anderson Powerpole port is designed to be used with third-party solar panels and can handle 240W of power.

1. Place your solar panel where it will get as much direct sunlight as possible. See the graphic in SOLAR 101 for help.
2. Insert the blue-ringed solar panel plug into one of the INPUT ports on the front of the YETI. You will know the YETI is charging when the green LED light next to the INPUT port lights up, and the battery segments in the LCD BATTERY DISPLAY are blinking. The YETI is fully charged when all battery segments stop blinking and remain solid.
3. You can also connect the YETI to other brands of solar panels using the Anderson Power-Pole port, next to the two charging port.
4. You can chain multiple Goal Zero Solar Panels together to reduce solar recharge times. Your YETI is capable of taking in 160W of solar per input, no more than 240W combined.
5. You can charge your YETI with solar panels, and a wall charger at the same time.



### Charging from the Wall

Using the included AC Wall Charger, plug your YETI into any wall outlet. You will know the Yeti is charging when the green LED light next to the INPUT port turns on, and battery segments in the BATTERY DISPLAY are blinking. The YETI is fully charged when all battery segments stop blinking and remain solid. The YETI should recharge from the wall in about 18 hours.



1. The AC wall charger comes in two pieces. Connect the two pieces by plugging the cable into the box

### Charging from your Car

Although not recommended because of slow charge times, you can charge your YETI from any 12V source, like your car. To charge your YETI from a car or 12V source, you will need to purchase an 8.0 mm to 12V charger from GOALZERO.com. Call our Customer Solutions Center at 1-888-794-6250 for help identifying the charger.

\* Full-size refrigerator runtimes from the Yeti 1250 are dependent on several factors, including the year, make and model of your refrigerator, as well as its volume, fullness and usage. We actively test a variety of refrigerators to determine an average runtime. For the longest runtimes and to optimize performance, we suggest limiting the opening and closing of refrigerator doors when powering from the Yeti 1250.

# Using your YETI

## What to power from your YETI:

USB: Smartphones, MP3 Players, Digital Cameras, E-readers, Tablets, etc.

12V: Goal Zero Lights, 12V appliances, etc.

AC: Laptops, Cameras, CPAP, Display Monitors, Appliances, Fridges, etc.

## How to use your YETI:

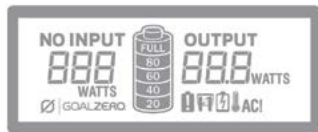
1. Press the master POWER button to turn on your YETI.
2. Press the power button located above each port you will be using. When not using certain ports, make sure to turn them off to conserve power.
3. You'll know the port is turned on when the green LED light on the button is illuminated.
4. Plug in your gear for power anywhere life takes you.
5. If possible, keep your YETI plugged into a power source when not in use.
6. You can charge your YETI and charge your gear at the same time.

## Best-Use Strategy:

When charging gear with your YETI, take note of the LCD Battery Display. If you plug in devices that have a high power requirement (a large refrigerator), the charge level of your YETI can drop very quickly and you may not get exactly 1250Wh of power. On the flipside, if you're recharging devices that draw power more slowly (a small TV), you will get closer to 1250Wh from your YETI. If you're experiencing shorter runtimes, you may want to check the device's power requirements, see TROUBLESHOOTING for help.

## Cold Weather Usage:

Cold temperatures (below freezing) can impact the YETI's battery capacity. If you'll be living off-grid in sub-zero conditions, we recommend keeping your YETI in an insulated cooler, and connected to a power source (solar panels). The natural heat generated by the YETI contained in an insulated cooler will keep battery capacity at its highest.







## LCD Display:

You can activate the display backlight by pressing the Display button. The built-in LCD display indicates three important things:

1. INPUT shows the amount of power (watts) going into the YETI while charging. If charging from solar, you'll see the watts change as you reposition the panels into/out of the sunlight.
  - a. LO will be displayed if power flow is below a measureable amount.

2. OUTPUT shows the amount of power (watts) your devices are using while plugged into the YETI.

## 3. Yeti 1250 Warnings:

-  Battery Fail: Replace internal battery
  -  Blown Fuse: Contact Goal Zero Solutions Center
  -  Low Battery: Plug into power source immediately
  -  Temperature Warning; Too Hot: Unplug YETI and allow it to cool down
- AC!** Inverter Fail: Device is pulling too much power. Unplug device and turn AC inverter off and on. Contact Goal Zero Solutions Center

## Storage and Downtime Maintenance:

Having your YETI connected to a power source, like a solar panel or wall outlet, between adventures or while in storage keeps its battery healthy and topped off. This prolongs battery life and will ensure your YETI is charged and ready to go all day, every day.

If you can't keep your YETI plugged into a power source during storage, fully-charge your YETI every 3 months and store it in a cool, dry place. Failure to maintain your YETI by following these steps can result in battery damage which will void the product warranty.

## Chaining your Yeti:

Looking for more power from your Yeti? You can extend the run time of your YETI by connecting it to additional 12V, 100Ah batteries. The connector on the back of the Yeti is an Anderson Power SB175

1. Before chaining batteries to the YETI 1250, you'll need to purchase the correct cables and additional batteries:
  - a. Yeti 1250 Battery Clamp Connector Cable (SKU #98003) temporarily connects other 12V batteries.
  - b. Yeti 1250 Ring Terminal Connector Cable (SKU #98001) semi-permanently connects other 12V batteries.
  - c. Connect only 100Ah, 12V lead-acid batteries (or similar, 175Ah MAX) batteries to the YETI 1250.
2. Locate and remove the plastic cover on the back of the YETI (near the top, center).
3. Connect the chaining cable to the additional batteries.
4. Connect the chaining cable into the Anderson Powerpole on the back of the YETI.

When additional batteries are chained to the YETI, you will experience increased charge times – this is a result of having to charge up the chained batteries in addition to the YETI.

## Technical Specifications

### Charge times

Wall charger (72W)	18 hrs
Car charger (30W)	44 hrs
2x GOAL ZERO Boulder 30	40-80 hrs
3x GOAL ZERO Boulder 30	27-54 hrs
GOAL ZERO Nomad 100	24-48 hrs

### Battery

Cell type	AGM Lead Acid
Pack capacity	1200Wh (12V, 100Ah)
Lifecycles	hundreds of cycles
Shelf-life	Keep plugged in or charge every 3 months

**Fuses** 200A (4x 50A fuses in parallel)

**Management system** MPPT charge controller, low battery protection

### Ports

USB port (output)	5V, up to 2.1A (10W max), regulated
6mm port (output, 6mm)	12V, up to 6A (72W max)
12V car port (output)	12V, up to 10A (120W max)
12V Power Pole port (output)	12-14V, up to 30A (360W max)
AC inverter (output, pure sine wave)	110V, 10A (1200W continuous, 1500W surge max)
charging port (input, 8mm)	16-48V, up to 10A (160W max)
Anderson Power PP45 (input)	16-48V, up to 20A (240W max)
Anderson Power SB175 (chaining)	12V, up to 175A (2100W max)

### General

Chainable	yes
Weight	103 lbs (46.7 kg)
Dimensions	11 x 16 x 14.5 in (27.9 x 40.6 x 36.8 cm)
Operating usage temp	32-104 F (0-40 C)
Certs	CE, FCC, ROHS
Warranty	6 months

## Frequently Asked Questions

### What type of battery is in my YETI?

Your YETI uses a Group 31, 12V, 100Ah, sealed lead-acid battery (AGM), similar to what is found in your car. Here are some basic facts about AGM batteries:

1. AGM batteries should be kept full at all times.

This means you should leave your YETI plugged into a power sources at all times, especially during storage.

2. AGM batteries last longer if you do not drain them completely.

This stems from the “battery memory myth” in old rechargeable batteries. You can read more about this in the Battery 101 section.

### Can I replace the battery in my YETI?

Yes, the battery inside the YETI is extremely easy to replace.

1. Remove the four bolts holding down the top of the YETI.

2. Lift the top of the YETI off and set aside.

3. Remove the metal battery strap by unscrewing the bolt and lifting the strap off.

4. Remove the two battery terminal bolts.

5. Disconnect the wires on the battery terminals.

6. Lift the old battery out of the body of the YETI

**\*\*This battery is HEAVY. Use caution and proper technique when lifting.**

7. Insert replacement battery and reassemble in reverse order of steps above.

### How do I know if my YETI is charged?

To check the charge level of your YETI, refer to the LCD Battery Display. When lit up, you'll see a battery outline with five segments, indicating the current charge level. You can turn on the Battery Display by pushing the Master POWER button. It is OK to use your YETI even when it's not fully charged.

### How do I know if my device will work with the YETI?

First, you'll need to determine the amount of power your device requires. This may require some research on your end, a good Google search or examining the user guide for your device should suffice.

Second, you will need to check the capacity for the individual output ports. For example, the AC port is monitored by an inverter that allows for 1200W of continuous power. This means if your device is pulling more than 1200W for an extended period of time, the YETI's inverter will shut off.

Finally, once you know your device is compatible, you'll want to determine how long you'll be able to power your gear from the YETI. Here's a quick and dirty lesson in power.

All GOAL ZERO power packs and solar generators have a number in their name, ex. GUIDE 10 Plus Power Pack, GOAL ZERO YETI 1250 Solar Generator. These numbers refer to the Watt Hours (Wh), or the amount of energy that can be stored in each recharger, and how you'll know if your gear is compatible with each recharger. For example, a 200Wh recharger should run a 100W light for 2 hours ( $200/100=2$ ). If your gear falls within the 1250Wh capacity of the YETI, you'll want to check the restrictions on each of the output ports.

Here are some common devices and their watt-hour requirements:

Device	Power from Yeti 1250
Light-a-Life 12V Lantern (3Wh)	400+ Hrs
Smartphone (2-5Wh)	100+ Recharges
Tablet (25-42Wh)	45+ Recharges
Laptop (50Wh)	20+ Hrs
Desktop Computer (100W)	12 Hrs
Mini Fridge (30-60W)	20-40Hrs
32" LCD TV (98-156W)	8-12Hrs
Vacuum Cleaner (200-700W)	1.5-7Hrs
Drill (250-1000W)	1-5Hrs
Blender/Processor (200-200W)	4-6Hrs
Washing Machine (250-500W)	2-3Hrs
Refrigerator (400-800W)	2-3Hrs

So when you're deciding on what to power from your new GOAL ZERO recharger, do some research into your device's wattage consumption. For more quick tips and learning tools, check out [www.GOALZERO.com/learn.html](http://www.GOALZERO.com/learn.html)

## Troubleshooting

If your devices are not recharging from your YETI, follow these steps:

1. Make sure the Master POWER button is turned on.
2. Ensure the Output Port has been turned on. The green LED light on the power button should be lit up.
  - a. If any of the lights have turned red, this indicates a trip. Push the button again to reset it. The light will turn green when it is successfully reset.
3. Check the Battery Display. If it is at 20% or below, charge your YETI.
4. Verify your device is suitable for use with the YETI:
  - a. All of the YETI output ports have their own max power capacity. Check the YETI's Tech Specs to ensure your device is compatible.
5. Reset the battery following these steps: \*\*Unplug all charging cables, including device charging cables, from the YETI before attempting to reset the battery.
  - a. Remove the four bolts holding the YETI top in place.
  - b. Lift top off and set aside.
  - c. Remove the two battery terminal bolts.
  - d. Disconnect the wires on the battery terminals. Wait 10 seconds.
  - e. Reconnect battery wires and reassemble YETI.
6. Check the LCD Display for warning icons: (helpful to show icons here)
  - a. Battery Failure: Battery needs to be replaced
  - b. Blown Fuse: Report to Solutions Center
  - c. Low Battery: Plug into a power source
  - d. Temperature Warning: Yeti is too hot, unplug and place in a cool, dark place
  - e. Inverter Fail: Device is pulling too much power. Unplug device and turn AC inverter off and on. If icon does not turn off, call the Solutions Center

If you are still experiencing trouble with your YETI, please call our Customer Solutions Center at 1-888-794-6250 or by email at [support@goalzero.com](mailto:support@goalzero.com)

## Education

**BATTERIES 101: GOAL ZERO** utilizes the latest and greatest in battery technology to accompany you on all life's adventures. From the versatile and lightweight Lithium Ion, to the robust and powerful Lead Acid, we've compiled some helpful tips to keep your GOAL ZERO batteries working their best.

### i. Batteries need exercise

The best thing for any battery is to use it. Don't leave a charged battery sitting around, unloved and unused for long periods of time.

### ii. The "Battery Memory" myth

Thanks to old Nickel-Cadmium (NiCd) batteries, there's a myth running around that you should completely drain your batteries before plugging them in for a recharge, called "deep cycling". Although true with NiCd batteries, the typical batteries you'll find in most of your gear today, including the advanced lithium and lead-acid batteries used in your GOAL ZERO rechargers, require no such draining. In fact, you should avoid deep cycling your batteries - it does more harm than good in most cases.

### iii. The "Stadium Effect"

The stadium effect occurs when recharging your batteries. You'll notice your battery quickly filling up in the beginning, then slowing down noticeably when trying to charge up the last several percentages. Think of how quickly a stadium fills up when the doors first open - there are hundreds of open seats so it's easy to find the one you want. Eventually there are only a few open seats here and there and people have to maneuver around to find the spot they want and filling those seats takes longer. The same theory applies to recharging batteries. It's easy for energy to flow in and take up empty space in the beginning, and as time goes on and there is less space available, it takes longer for the energy to fill in the holes.

### iv. Read the manual.

Yeah, it might be a long read, but the manual is the best place to find the dos and don'ts for the battery in your specific device. Reading your manual will ensure you're taking steps to keep your batteries happy and healthy.



**SOLAR 101: GOAL ZERO** makes it easy to recharge your gear from the sun - we didn't invent solar power, we perfected it. Some things to keep in mind when recharging your gear with solar power:

### i. Solar panels don't store power from the sun, they collect it.

We teach you to COLLECT - STORE - USE, which is the best way to utilize solar power to recharge your gear. COLLECT the sun's energy with a solar panel. STORE the power in a recharger. USE the recharger to power your gear, day or night. If you're really a diehard, you can plug your gear directly into the junction box located on the back of our NOMAD Solar Panels to recharge from the sun.

### ii. Not all solar charge times are created equal

Most solar panel manufacturers calculate their recharge times with the following equation:  $\text{Device Watt Hours} / \text{Solar Panel Watts} = \text{Solar Recharge Times}$ . So theoretically, a 13 watt solar panel would recharge a 50 watt-hour recharger in 3.84 hours ( $50/13 = 3.84$ ) - and this is the number you could find in marketing material for a solar panel. However, in order to standardize results across all manufacturers, these tests are completed in laboratory settings. The truth is, on a good, sunny day, you'll receive about 50-75% of your solar panel's rated wattage, and this is how the engineers at GOAL ZERO calculate the solar recharge times you see on our packaging.

### iii. Solar works, even in overcast conditions.

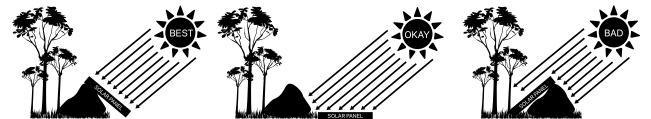
Solar panels utilize IR, UV, and visible rays from the sun that can penetrate through clouds. Although the efficiency of the solar panel will decrease in cloudy conditions, you'll still be collecting valuable power from the sun.

### iv. Keep away from shade and windows.

Although you should seek out the shade on sunny days, your solar panels will collect more power when fully exposed to the sunlight. Windows also have a habit of decreasing efficiency. So keep those panels outside and in the bright sunlight.

### v. Proper alignment works wonders.

Keeping your solar panel angled toward the sun can dramatically increase solar efficiency. Set it up and let Mother Nature do the rest.





# Warranty & Contact

## LIMITED WARRANTY

GOAL ZERO LLC warrants to the original consumer purchaser that this GOAL ZERO product will be free from defects in workmanship and material under normal consumer use during the applicable warranty period identified in Paragraph 2, below, subject to the exclusions set forth in Paragraph 5, below. This warranty statement sets forth GOAL ZERO's total and exclusive warranty obligation. We will not assume, nor authorize any person to assume for us, any other liability in connection with the sales of our products.

## WARRANTY PERIOD

The warranty period for GOAL ZERO battery cells (whether purchased on a stand-alone basis or as part of another product) is 180 days. The warranty period for all other GOAL ZERO products and components is one (1) year. In each case, the warranty period is measured starting on the date of purchase by the original consumer purchaser. The sales receipt from the first consumer purchase, or other reasonable documentary proof, is required in order to establish the start date of the warranty period. If you completed the online GOAL ZERO Product Registration Form within 30 days after purchasing your product, that registration can also establish the start date of the warranty period (but warranty coverage is not conditioned upon such registration).

## REMEDY

GOAL ZERO will repair or replace (at GOAL ZERO's option and expense) any GOAL ZERO product that fails to operate during the applicable warranty period due to a defect in workmanship or material.

## LIMITED TO ORIGINAL CONSUMER BUYER

The warranty on GOAL ZERO's products is limited to the original consumer purchaser and is not transferable to any subsequent owner.

## EXCLUSIONS

GOAL ZERO's warranty does not apply to (i) any product that is misused, abused, modified, damaged by accident, or used for anything other than normal consumer use as authorized in GOAL ZERO's then-current product literature, or (ii) any product purchased through an online auction house. GOAL ZERO's warranty does not apply to any battery cell or product containing a battery cell unless the battery cell is fully charged by you within seven (7) days after you purchase the product and at least once every 6 months thereafter.

## HOW TO RECEIVE SERVICE

To obtain warranty service, you must contact our customer service team via telephone at (888) 794-6250, or via email at [support@goalzero.com](mailto:support@goalzero.com). If our customer service team determines that further assistance is required, they will give you a Return Material Authorization ("RMA") number and will provide you with prepaid return shipping label that you can use to mail back your non-functioning item(s). You must properly package the product, clearly marking the RMA number on the package and including proof of your purchase date with the product. We will process your return and send your repaired or replacement product to you at our expense for product being shipped to locations in North America. For product purchased or being shipped outside of North America, please contact the local distributor from whom you purchased the product or email [support@goalzero.com](mailto:support@goalzero.com) to obtain further distributor information.

## IMPLIED WARRANTIES

THE LIMITED WARRANTY STATED HEREIN IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IN NO EVENT SHALL ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, EXTEND BEYOND THE APPLICABLE WARRANTY PERIOD IDENTIFIED IN PARAGRAPH 2, ABOVE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## EXCLUSIVE REMEDY; LIMITATION OF LIABILITY

The foregoing provisions state GOAL ZERO's entire liability, and your exclusive remedy, for any breach of warranty, express or implied. IN NO EVENT WILL GOAL ZERO BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM ANY USE OR MALFUNCTION OF ANY GOAL ZERO PRODUCT, OR FROM ANY BREACH OF WARRANTY, INCLUDING DAMAGE TO OTHER DEVICES. IN NO EVENT WILL GOAL ZERO'S LIABILITY FOR ANY CLAIM, WHETHER IN CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR UNDER ANY OTHER THEORY OF LIABILITY, EXCEED THE AMOUNT PAID BY YOU FOR THE GOAL ZERO PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

**GOALZERO.COM**

Toll Free: 888.794.6250

675 West 14600 South Bluffdale, UT 84065

We proudly support  
TIFIE Humanitarian  
[www.tifie.org](http://www.tifie.org)