



GOALØ™
ELITE

SHERPA™₅₀

Reference Guide

Please read this guide BEFORE you use your gear!

Technical Specifications

ELITE

Input

AC Wall Charger	45 watts	(15.3V:3A)
DC 12V*	50 watts	(12V:10A)
DC Solar Panels	*Depends on solar panels	

Output

USB	2.5 watts	(5V:0.5A)
DC 12V barrel	120 watts	(12V:10A)
AC Inverter*	100 watts	(110V:0.9A)
Fuse Protection	20A	(protects 12V barrel)

Internal Battery

Battery Type	Lithium-Iron Phosphate	(LiFePO4)
Battery Capacity	50 watt hours	(12V:4.2A)
Battery Voltage	12 Vdc	(nominal)
Temp. Controller	Shuts down input port at	>122 F
Life Cycles	2,000-3,000 (5+ years)	
Shelf Life	6 months± (stored <70 F)	

*Products not included with the SHERPA 50

Product Weight (no pkg)	2.2 lbs
Product dimensions	8.5" x 6" x 1.5"
Warranty	Twelve months

Operating Temperatures

Optimal Operating Temperature	32-104F
Optimal Storage Temperature	32-86F



Tested and certified

Before using your SHERPA power pack for the first time, activate your warranty and charge your SHERPA fully by following these simple steps.

1. Activate your warranty by registering your GOAL ZERO gear at <http://www.goal0.com/warranty>
2. Charge your SHERPA 50 for 8 hours prior to first use.
3. The SHERPA's LCD battery indicator will scroll when receiving a charge. Note: You do not need to turn the SHERPA ON to charge it.
4. The SHERPA has a full charge when the power monitor reaches 100% and stops scrolling.

You are now ready to take your SHERPA and go!

Hint: Your SHERPA will perform better by using it regularly. Recharging after each use will maximize performance and extend its life. We strongly recommend that you recharge your SHERPA after each use. The SHERPA will not overcharge.

Prolong the life of your GOAL ZERO gear and prevent injury to yourself and others by being mindful of these warnings.

PROTECT your gear by using it and charging it frequently to extend its life.

PROTECT your gear from getting wet. Dry before use.

How many hours of use can you get from your favorite adventuring devices when you charge them from the SHERPA? Here's a quick reference guide to help you out.

WATTS* HOURS**

Cell Phone	0.9	55
LED Light	3	16.6
iPod	0.3	166
FRS Radio	0.5	100
Avalanche RX	3.7	13.5
GO Pro Camera	1.61	31
Handheld GPS	0.54	92

*Watts consumed each hour.

**Hours a fully charged SHERPA will power these devices.

Hint: To find the watts used by other favorite devices reference the devices, its wall charging unit, website, or owner's manual.

CHARGE YOUR SHERPA

You can charge your SHERPA in 3 ways: wall, GOAL ZERO solar gear, or 12V boat and car.

POWER MONITOR

Check the LCD screen to see how much power you have.

TURN IT ON

To charge your handheld devices simply push the power button to turn the SHERPA ON.

NOTE: It is not necessary to turn on the SHERPA when recharging a single SHERPA power pack.

DC POWERED

Use this 12 Volt output port with the accessory car adapter to charge your Estrella light or other devices.

USB POWERED

This port is perfect for the adventurer that travels light. Use the USB port and your USB cable to charge your handheld devices.



LET IT HANG

Metal brackets let you hang or secure your SHERPA virtually anywhere.



CHAINING CABLE

Connect multiple SHERPA power packs or SHERPA UI (Universal Inverter) with this cable to get more power.

FUSE PROTECTED

We've added fuses to protect your SHERPA and the devices you charge.

CHAIN IT UP

When connecting to another SHERPA plug the chaining cable into this port. When charging chained SHERPA's you must have each SHERPA turned on.

Q- How much will the SHERPA power?

A- Your SHERPA 50 contains a 50 watt hour battery which means it would power a 50 watt light bulb for 1 hour or a 25 watt light bulb for 2 hours.

Q- How long does it take to charge the SHERPA?

A-How are you charging it? Refer to the TruWatt reference guide for general guidelines.

Q- Is my SHERPA waterproof?

A-It is weather resistant. If your SHERPA does get wet, allow it to dry completely before you use it.

Q- Does the SHERPA have "battery" memory?

A-No. Older battery technologies used to suffer from memory problems. The SHERPA's technology is smart and prevents memory challenges of old.

Q- Will my SHERPA "burn-out" if plugged in too long?

A-Keeping the SHERPA plugged in actually improves the life of the SHERPA. Just like your body-staying active improves its health.

Q- What do I do if it looks like the SHERPA won't charge?

A-After 30 hrs of none use, the SHERPA will automatically go to sleep to conserve power and shut the power monitor's LCD screen off. After 100 hours of non-use the SHERPA will hibernate. In both instances, when you next use the SHERPA it may appear that stored power is close to empty. In both cases simply plug the SHERPA into its accessory wall charger for a minimum of 15 minutes to wake it up.

Q- *What should I do if the SHERPA won't "wake-up"?*

A- If the LCD screen does not turn on first try to charge the SHERPA for 15 minutes. If it still won't turn on call 1-888-794-6250 and speak with a GOAL ZERO gear specialist.

Q- *Is the SHERPA's battery technology eco-friendly?*

A-Yes. In fact, the SHERPA has been purposely designed with recycled and recycle-able materials. The internal battery is a lithium iron phosphate battery which is non-toxic and the most environmentally friendly and is primarily composed of water. You can actually drink the stuff - but, we don't recommend it!

Q- *How does the SHERPA do in extreme temperatures?*

A-The SHERPA performs very well within -4 F to 100 F. We are talking electronics here so if your using the SHERPA in the heat of the Sahara Desert or while dodging polar icecaps in Antarctica you will want to keep it protected.

Q- *How do I power regular AC outlet devices?*

A-For AC devices you will need the SHERPA UI (universal inverter). Remember that the SHERPA 50 was designed for ultra portability - handheld devices. When used with the SHERPA UI you can produce 110 or 220 volts with a 100 watt max output.

[Hint: Visit our website, YouTube and facebook channels for product tours, support or other questions that you may have.](#)

SHERPA POWER PACKS

From uncharted territory to areas with inconsistent power, this lightweight, compact rechargeable and chainable power pack offers even more power to go everywhere.



NOMAD FOLDABLE FABRIC PANELS

When space is tight and every ounce counts, this compact, chainable and foldable fabric solar panel system packs the perfect power source for every adventure.



ESTRELLA Cree LED LIGHT

With the ESTRELLA's low power draw, you can keep the trail, campsite or tent lit for hours at a time. Chain multiple Estrellas together for even more light.



SHERPA UI - INVERTER

The SHERPA UI taps into the ELITE line of power packs and enables you to charge AC devices that can typically only draw power from a wall outlet.



Available at www.goal0.com.



Did You Know...

By purchasing GOAL ZERO gear you are helping to sustain the philanthropic initiatives of Tifie Humanitarian. In fact, GOAL ZERO was originally created to provide light in schools and orphanages across Africa. We invite you to learn more about our charity of choice by visiting Tifie's website at:

www.tifie.org

Join Tifie and GOAL ZERO on **facebook**.

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Please call us at 888-794-6250
if you have any additional questions.