

A hiker is shown from the side, ascending a rocky mountain trail. The hiker is wearing a blue and orange jacket, dark pants, and red gaiters. They have a large blue backpack and are using two black trekking poles. The background shows a rugged, rocky mountain landscape under a hazy sky.

**GOALØ™**  
**ELITE**

**NOMAD™ 13.5m**  
**Reference Guide**

Please read this guide BEFORE you use your gear!

## Input Sources

13.5 Watt Mono-crystalline solar panel

## Output Ports

Open circuit voltage: 18V

Charging voltage: 12V  $\pm$  2V

Product weight (no pkg) 1.5 lbs

Product dimensions 11" x 7" x 1"

Warranty Twelve months

## Operating Temperatures

Optimal Operating Temperature 32-86F

Optimal Storage Temperature 32-104F



Tested and certified

Before using your NOMAD 13.5M for the first time, please follow these simple steps.

1. Activate your warranty by registering your GOAL ZERO gear at <http://www.goal0.com/warranty>
2. Open the NOMAD 13.5M by unfolding its fabric case.
3. Remove the clear protective coverings from solar cells.
4. Position the NOMAD at an angle that faces the sun.
5. Plug the NOMAD's charging cable into your GOAL ZERO power pack.




You are now ready to power up!

*Hint: The NOMAD's performance is enhanced if you occasionally adjust it's angle to follow the path of the sun. You can actually increase production by 200 to 400% by angling the NOMAD properly.*

When you're off the grid you need to know how long it will really take to power up. You don't want numbers that come out of a laboratory based on perfect conditions. At GOAL ZERO all of our gear is field tested with an independent team of extreme adventurers that span from alpinists to ocean rowers. The charging times listed here come from countless hours of real world testing. That's why we call it TruWatt™ - real numbers that you can count on.

The TruWatt™ Power Grid

### CHARGING TIMES (IN HOURS)

BATTERY			
Sherpa 50	1.5	9	30
Sherpa 120	4	20	72
Scout 150	4.5	27	90
Ranger 350	6	62	210

To achieve these charging times you will need a total of one Nomad 13.5M panel.

SECURE IT

Use the velcro strap to keep the NOMAD tightly packaged up.

STOW IT

Use the NOMAD's internal pocket to neatly stow its charging cable.

POWER IT

Highly efficient solar cells deliver up to 13.5 watts of power.



LET IT HANG

Use the convenient grommets on the NOMAD to secure it virtually anywhere.

**Q- Is the NOMAD waterproof?**

A-The NOMAD is weather resistant. Just remember you are powering electronics and those devices may not be waterproof.

**Q- Does the NOMAD deliver a full 13.5 watts?**

A-The NOMAD is rated to deliver 13.5 watts of power but the angle of the NOMAD and cloud cover can impact its performance. Try to keep the NOMAD out of the shade and adjust its angle to the sun as the day passes to maximize performance.

**Q- Can I chain multiple NOMAD panels together?**

A-Yes. With a GOAL ZERO accessory adapter you can charge your power packs faster by chaining NOMAD's together. The panel chaining accessory can be purchased at <http://www.goal0.com>.

**Q- Are the NOMAD's solar cells flexible?**

A-No. They can handle some stress but they should not be bent. Bending the solar cells will break them.

**Q- What kind of solar cells do you use in the NOMAD?**

A-We use the latest mono-crystalline technology in the NOMAD. Why? It provides more power per square inch than any other solar technology on the market.

**[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.



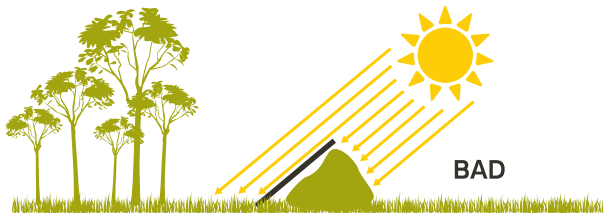
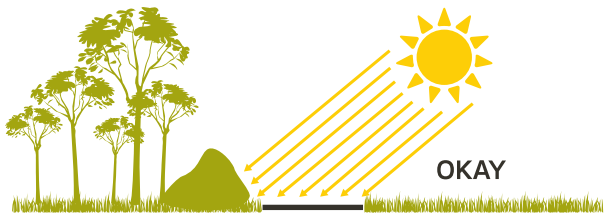
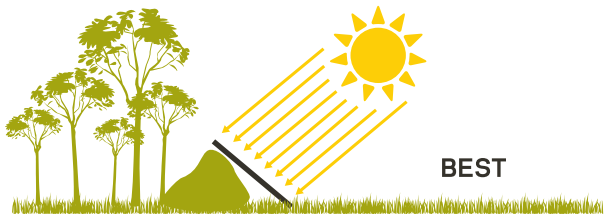
### SHERPA UI - INVERTER

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](http://www.goal0.com).

Optimize the performance of your GOAL ZERO solar gear by angling it correctly to the sun.









## *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](http://www.tifie.org)

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

**GOAL**   
**ELITE**

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