

NOMAD[®]14^{PLUS}

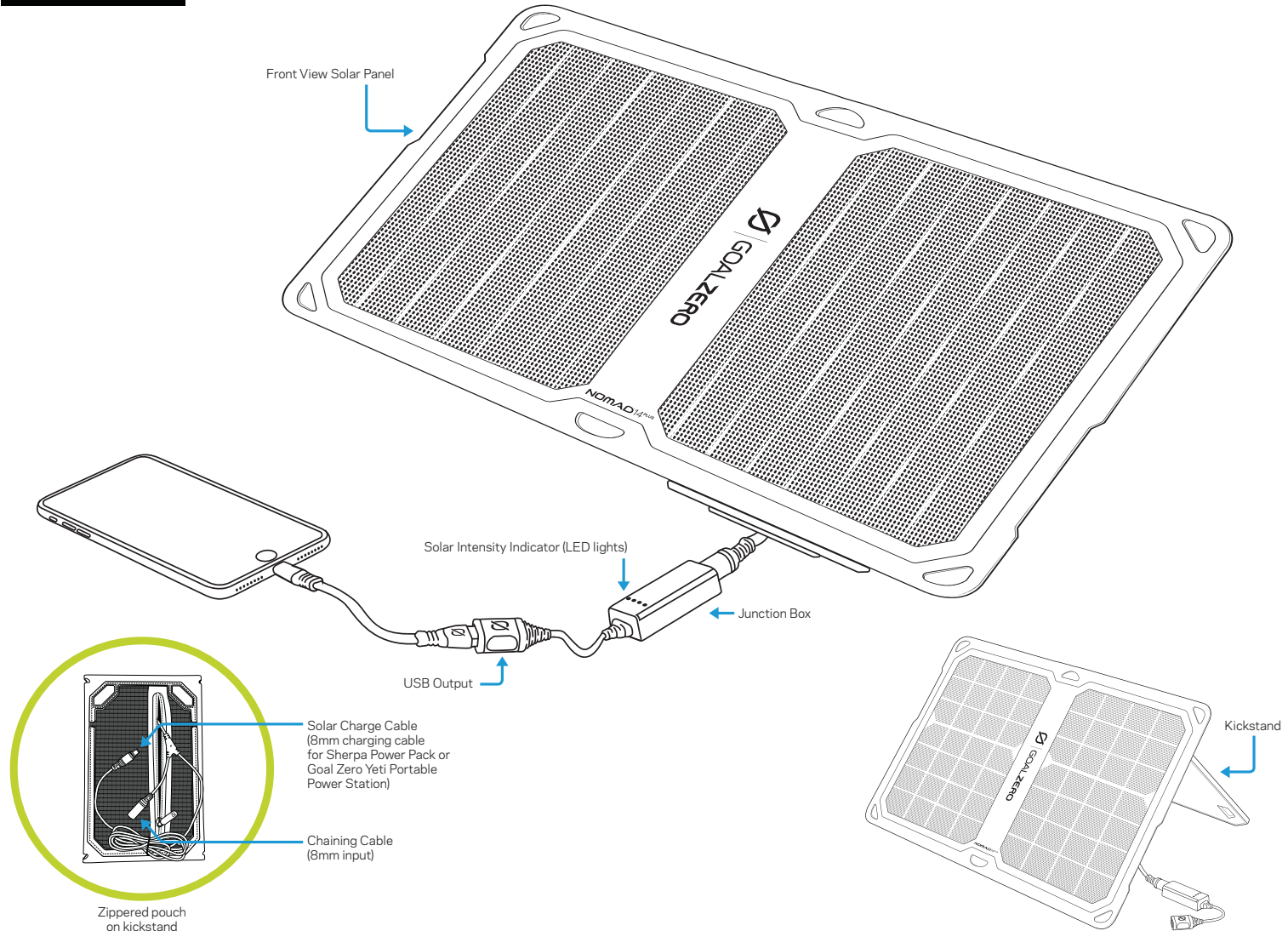
SOLAR PANEL

USER GUIDE

 | GOALZERO.

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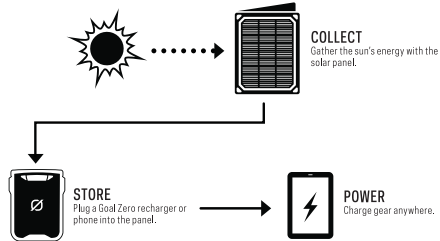
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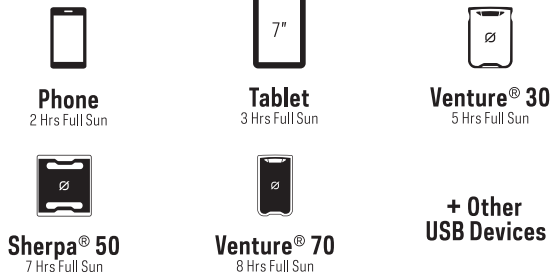
HOW IT WORKS

Charging phones, batteries and other USB-powered devices from the Nomad 14 Plus is as easy as plugging in.

1. Make sure the junction box is plugged into the Charge Cable. You can plug the Charge Cable directly into a Sherpa Power Pack's blue-ringed Input Port.
2. Open your Nomad 14 Plus and face the panels toward the sun and check the Solar Intensity Indicator for current solar conditions. 2 or more lights, you're good to go.
3. Plug in your phone or recharger into the junction box and charge up.



WHAT IT POWERS



All the cables you need to recharge Sherpa Power Packs and Goal Zero Yeti Portable Power Stations are included in the back of the Nomad 14 Plus. The same cable can be used to chain the Nomad 14 Plus with other chainable Nomad Plus and Nomad Solar Panels.

1. Open your Nomad 14 Plus and face the panels toward the sun and check the Solar Intensity Indicator for current solar conditions to estimate your recharge times.
2. Remove the junction box from the 8mm cable.
3. Plug the 8mm blue tipped cable into the INPUT on the Sherpa or Goal Zero Yeti.

JUNCTION BOX + SOLAR INTENSITY INDICATOR

This is where the brains of the Nomad 14 Plus live. Several key components work together to ensure you have the best solar charging experience, including the Solar Intensity Indicator. These 4 LED lights are indicative of current solar conditions and give you an idea of how well your gear will charge.

Once you plug into the Nomad 14 Plus, the lights will blink in accordance with how fast your gear is charging. Think you should be seeing more lights? Try repositioning the Nomad 14 Plus toward the sun and watch how the lights and speed of charge indicator change. The best charging scenario for phones and other USB-powered devices is 2 or more lights.

AUTO RESTART

The Nomad 14 Plus features an auto restart that's smarter than anything else on the market. With the ability to track power flow history, the Nomad 14 Plus knows the difference between a device that has reached a fully charged state and one that disconnects due to environmental causes, i.e. lack of sunlight, shadow, solar eclipse, etc. When the latter is detected, the Nomad 14 Plus will automatically reconnect the charging device, no extra work on your part is needed.

KICKSTAND

The Nomad 14 Plus's detachable kickstand allows you to be as lightweight as you need to be. Leave it attached with the magnets and it pops out to an optimal angle for positioning toward the sun. It also provides natural shade and a vented pocket for devices you have plugged in.

CHAINING

Chaining panels is a great way to collect more power from the sun and recharge devices quicker. You can chain up to 150W of solar panels together, that would be about 10 Nomad 14 Plus Solar Panels; however, we don't recommend more than four in a chain (see the NOTE below).

1. Unplug the Junction Box - stash it in a safe place, like the zippered pouch so you don't misplace it.
2. Plug the 8mm Charge Cable into another Nomad Solar Panel's blue-ringed 8mm input cable.
3. Using the 8mm Charge Cable of the final panel, plug into a Sherpa Power Pack or Goal Zero Yeti Portable Power Station. You could also reattach a Junction Box to the last solar panel in the chain to recharge USB powered devices.

NOTE: After four solar panels are chained together, you might notice something called line loss, which has to do with the loss of voltages over a long distances. The farther the power has to travel through cables, from panel to panel, the more power you will lose.

FREQUENTLY ASKED QUESTIONS

Q: Is the Nomad 14 Plus waterproof?

A: Yes. We've gone to great lengths to ruggedize the Nomad 14 Plus; including beefing up the manufacturing process with advanced lamination techniques so it'll slough off rain and snow. However, if the junction box gets soaking wet, we recommend letting it dry out before plugging in.

Q: Does the Nomad 14 Plus have a built-in battery?

A: Nope. We made the Nomad 14 to be as modular and light-weight as possible, that meant selling batteries as an optional accessory. You can either plug your phone or device directly into the Nomad 14 Plus, or pair it with one of our rechargers to store power for later (like at night or when you go inside). May we recommend a Goal Zero Venture Recharger or Sherpa Power Pack?

Q: Is this chainable with other Nomad panels?

A: Yes, but only on some Goal Zero Nomad Solar Panels. You can plug the Charge Cable into the chaining ports on older Nomad Solar Panels. The Nomad 14 Plus cannot be chained with the Nomad 7 Plus or the Nomad 7 Solar Panels.

Q: How does the Solar Intensity Indicator work?

A: Science. We can't give away all our secrets. For real though, our engineers developed patent-pending electronic brains for the Nomad 14 Plus that ensures you have the best solar charging experience possible. Part of the electronics include an advanced current sensor (way better than a voltmeter) and unique maximum power point tracking (MPPT) charge controller to optimize the USB output. What you need to know is when conditions are right, you can plug a phone into the Nomad 14 Plus and charge it directly from the sun. You'll know the conditions are right by checking out the Solar Intensity Indicator.

TECHNICAL SPECIFICATIONS

NOMAD 14 PLUS SOLAR PANEL

Solar Panel:

Charges the following: **Approx. Charge time:**

GOAL ZERO Switch 10/ Flip 10 2.5-3 hrs

GOAL ZERO Flip 20 4-5 hrs

GOAL ZERO Flip 30 5-8 hrs

GOAL ZERO Venture 30 5-8 hrs

GOAL ZERO Sherpa 50 7-14 hrs

GOAL ZERO Sherpa 100 14-28 hrs

Solar Panel:

Rated Power 14W

Open Circuit Voltage (Voc) 18-22V, up to 1A (14W max)

Cell Type Monocrystalline

Ports:

8.0mm 14-22V, up to 1A (14W max)

USB port 5V, up to 2.4 A (12W max)

General:

Weight (with leg) 1.9 lbs (862 g)

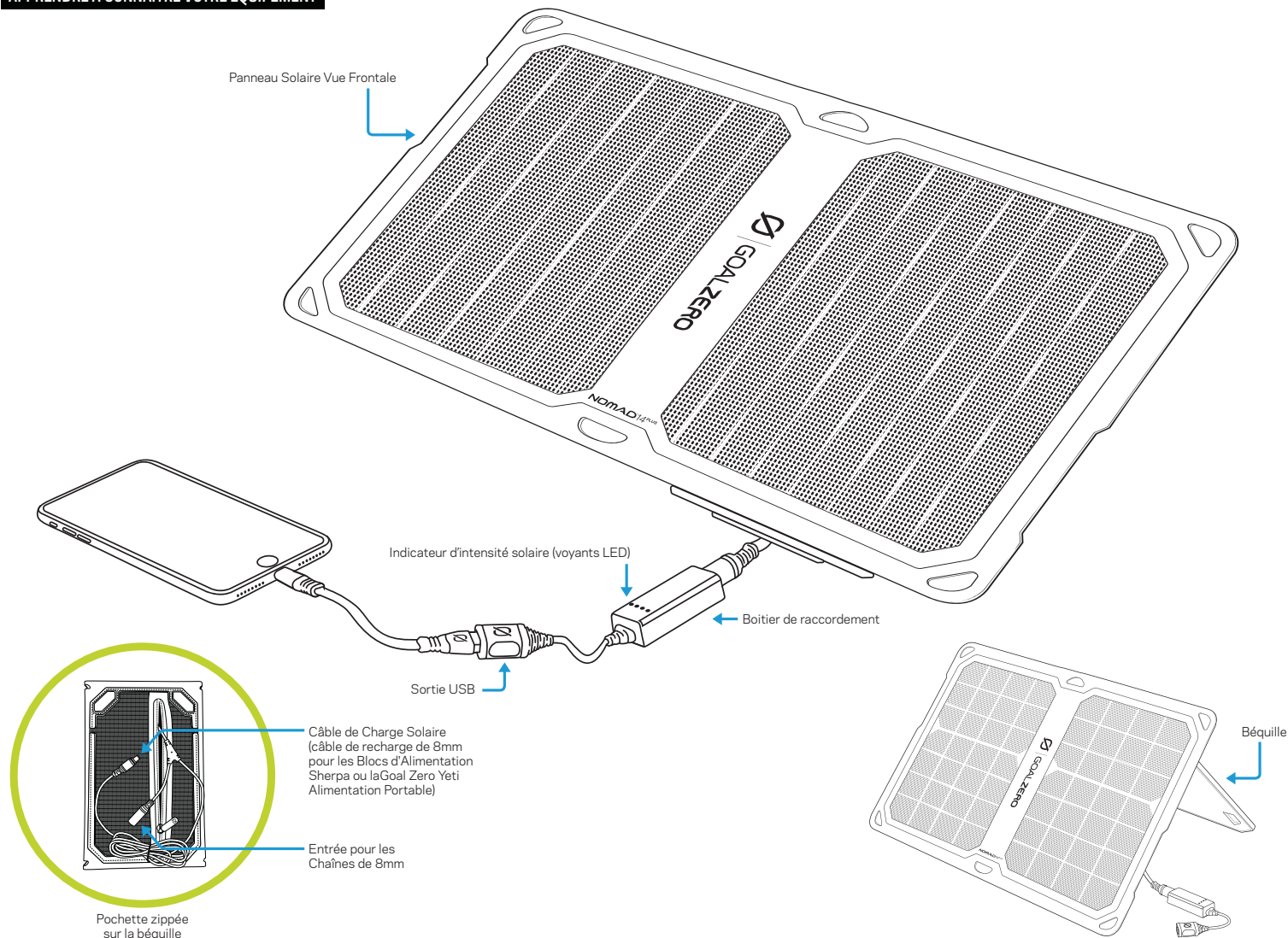
Weight (without leg) 1.4 lbs (635g)

Dimensions (unfolded) 12.1 x 15.8 x 0.1 in (31 x 40 x 0.2 cm)

Dimensions (folded) 12.1 x 7.8 x 0.5 in (31 x 20 x 1.3 cm)

Warranty 12 months

Certs 



GOAL ZERO HEADQUARTERS

675 West 14600 South
Bluffdale, UT 84065
Designed in the U.S.A.
Made in China
1-888-794-6250

Nomad is a trademark of Goal Zero.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.