



Portable power station with solar panel

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Portable power stations that recharge via solar panels have changed the game for working and playing in off-grid locations.

We use ours to power our computers, electric cooler, coffeemaker and shower while camping and traveling. We also run tools and recharge drill batteries anywhere it's inconvenient to reach an outlet. Other people use them to power speakers while tailgating, or integrate them into van build projects.

Most portable solar power systems -- aka solar generators, power stations, portable power banks or battery boxes -- can be charged via solar panels, a wall plug or a 12-volt car outlet. If you're thinking about adding one to your life, here are a few considerations to keep in mind.

My partner and I field-tested a number of portable solar power systems. Here, we're focusing on the more portable sizes, models between approximately 250Wh and 2,000Wh. These are some of our favorites, organized from largest to smallest in watt-hours.

With a 2,400W inverter, Anker's PowerHouse 767 can charge your power tools while also running the refrigerator and the microwave, all for less than \$1 per watt-hour. Thanks to new GaN technology, it recharges in just two-and-a-half hours with a solar array or the built-in 1,000W AC charger.

It contains commercial-grade internal electronic components, and the sturdy and attractive unibody design also includes wheels and a collapsible handle. It also features a 30-amp plug for RVs and a pleasing warm-white multi-mode accessory light bar. Get an expansion battery to double the watt-hours.

Outlets: One 30-amp, four 120V AC, two 12V, two USB-A, three USB-C.

Specs: 2,048Wh, max solar input 1,000W (or 1,440W via wall power), LiPo4, Bluetooth monitoring, 20.67 inches x 9.84 inches x 15.55 inches, 67.3 pounds, five-year warranty. Pair with Anker's 767-specific 200W solar panels.

We recently tested Goal Zero's Yeti 1500X on an overland camping trip, off-roading to remote areas over several weeks. Its impressive 2,000W inverter ran our electric cooler, coffeemaker and laptops day after day, solely with charging the unit via solar panels.



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Its sturdy aluminum case includes a storage compartment for cables. Goal Zero also makes optional expansion batteries. The included wall charger is 120W, so consider upgrading to their 600W for faster AC charging.

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