



Cheap solar generator

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Since solar-powered generators are generally expensive, I've gathered some inexpensive options with a good online reputation.

This post goes over three of the cheapest solar generators (aka portable power stations) that range from 150-200Wh of battery capacity and cost between \$100 and \$140. Below are my recommendations for the cheapest power stations that still deliver on quality. They all:

It's smaller in size than the affordable solar generators listed and has an AC output. You can read my review of it here: [Goal Zero Sherpa 100AC - Fastest Charging Solar Power Bank](#). How We Picked Our Selection Plain and simple, we browsed Amazon for solar generators, scrolled past all of the cheaper solar generators that had little customer feedback, and selected the least-expensive solar generators with the highest ratings (minimum 1,500 ratings).

For each portable power station, you'll find the Amazon rating, the number of reviews it had, and a link to the product on Amazon. The following models are small but portable options that will last much longer than your typical power bank. [Small Solar Generators - What to Look For](#) Before we get too far ahead, what should you be looking for in a good backup generator?

It comes with high-powered LED lighting and a screen that lets you know when it might be time to charge up your generator for prolonged usage. It mentions being able to support 100W from its AC ports (150W peak) so you can power small appliances or chargers if desired. I was pleased to see that Jackery has a compatible solar panel that you can buy to charge with, as most brands say you can solar charge without providing options for what kind of panel to use. You can find multiple reviews of this solar panel on [Amazon](#) (just search "SolarSaga 60 by Jackery") and they are mostly positive.

All in all, I think it is a great option for someone who is looking to travel with their generator and needs something that can keep up with them. [Amazon Details](#): Rating: 4.7/5 Number of Reviews: 6,000+ Link to the [Jackery 160 on Amazon](#) I personally own the larger Jackery Explorer 300 and I use it on the go more often than some of my other power stations because it's lightweight and it can fit in my backpack. If you think you could use more power than the Jackery 160 offers, I recommend reading my review of the Jackery 300 here: [Jackery Explorer 300 Review & Test \(Plus Comparisons\)](#).

The NEXPOW Portable Power Station is an efficient 178Wh solar generator that comes equipped with a polymer lithium-ion battery, making it ideal for all your indoor or outdoor power needs. Due to its larger power capacity, you'll be able to charge multiple devices at the same time with no issue. The NEXPOW is also light and portable, weighing in at 3.1 lbs (1.43 kg), so you aren't forced to lug around a heavy generator on your next camping trip.



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With its LCD display, you're also able to keep track of how much power the generator still has before it needs to be charged. A light will also flash as the power level drops. The generator can be solar charged by connecting with a solar panel, but also comes with several other recharging options to make it easier for you. It can charge for five hours in a wall outlet or can be plugged into your car's charging port with the included car charger.

Since updating this article, there have been several additional reviews of this solar generator. Since 2020, it has retained its 4.3/5 stars on Amazon, which tells me that it continues to be effective for its users. Overall it is a powerful personal generator and you'll get a lot of good use out of it.

I use this general estimate by understanding how much the generator costs and seeing how close that price is to the listed watt-hours of the battery. For example, let's take the NEXPOW and compare it to the Yeti 200X. The Yeti 200X costs about \$300. The battery capacity is 187 watt-hours. I then divide the watt-hours by the price and find out how much it costs per watt-hour. In the Yeti 200X's case, each watt-hour costs about \$1.60. That's extremely high on average.

Now let's examine the NEXPOW. This unit costs about \$120 and it has 178Wh of battery capacity. Taking the cost and dividing it by the battery capacity will cost me about \$0.67 per watt-hour. As you can see, this is nearly one-third of the cost of the Yeti 200X even though they have similar battery sizes. I use this as a basic tool to help me gauge if it's the right price or if it's too high. However, measuring battery capacity against pricing does not cover several other possible aspects of the solar generator, so make sure to understand all features of the product before estimating its value.

The generator may have some really useful technology that is not reflected in its battery capacity. Related: Are Solar Generators Worth the Money? How To Decide Final Thoughts Whatever generator you choose from this list will be one that suits your individual needs. We've recommended these specific ones as they all came with features that every good generator should come equipped with. While there is some variance in overall extra features, these are all incredibly efficient power stations that you can grab for cheap.

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Web: <https://www.kary.com.pl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

