



# Best portable solar generator for rv

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## 8 Best Portable Solar Generators For An RV or Motorhome

## 5 Best Solar Generators For RV Life and Camping

Having lived and worked in our RV for close to two decades now, and being the avid boondockers we are, our move to solar was a big one: 600Ah of Lithium battery power, 8 solar panels (with 1,300 Watts of power), and a fully off-grid ready system. But not every RVer needs a system like ours, has the confidence to install one themselves, or wants to spend as much on all the upgrades needed. Instead, some travelers seek a simple, more portable system that would be just right for their needs. Enter the solar generator for RVs – portable power stations that will fit the bill for many.

Today's post is a look at these awesome little systems that are not only compact and portable but can also take advantage of the power of the sun to fulfill the daily power requirements of RVers, campers, "van lifers", and off-grid homes.

Welcome to the world of solar – all packed up in a nice little box. Let's take a look inside!

A solar generator for an RV is a portable power station into which solar panels can be plugged to charge the system. Solar generators are versatile, compact, and combine the battery, solar charge controller, inverter, charger, and multiple charging ports all in one package, making them easy to move from place to place.

A portable power station takes a battery (usually a lithium battery these days, but some people DIY their own portable power stations using lead-acid batteries), and combines it with the ports required for charging the battery as well as for powering external devices and appliances.

Portable power stations can be very small – small enough to fit into a pocket or backpack (this would be for the purpose of charging a cell phone, for example) – or they can be large enough to require some strength to move (this would be capable of powering appliances as hungry as microwaves, fridges, and more).

With everything built into one compact box, portable power stations can be charged by solar, 120-volt outlets (standard outlet in a home or hotel, for example), or by 12 volts supplied by a vehicle while driving.

These little power stations are versatile, compact, and portable.

Well, as we noted at the top of the post, a solar generator is great for travelers who have no need – or space or budget – for a very large solar system, or who don't want to deal with the complications of installation. Building a solar system can be a daunting task, and taking into consideration the



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important factors such as Watts, amps, and volts and connecting everything within the system properly (and safely) can be a challenge not everyone is up to.

Also, some travelers only boondock occasionally or don't use a lot of power. Or they may even be full-time travelers who don't have the space for a large system and thus desire portability. Or maybe their RV didn't come with an inverter (or a very large battery bank), but they want to be able to power their laptop and some other small 120V AC devices while on the road.

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