

What are the portable solid-state power supplies



Overview

What is a portable power station?

These little ones are generally smaller than a lunchbox and good for tasks like recharging laptops and speakers, LED lighting, and small fans. On the high-capacity end, portable power stations top out at around 4,000 Wh plus are expandable with extra batteries.

Should you buy a portable power station?

The term “portable” is stretching it sometimes. Batteries are heavy. The larger-capacity power stations are typically on wheels and have telescopic handles, and they are still tough to cart around. If you’re looking for something you can actually carry on foot for a distance, you may need to temper your expectations on capacity.

What accessories do you need for a portable power station?

One of the most common accessories is going to be a cord to connect to similar power stations in series, often times doubling your power output. Some portable power stations have a light bar built into the housing, which is useful for seeing at night. Anker’s Solix C300 also includes a pop-up camping light.

What battery types are most commonly used in portable power stations?

There are various battery technologies, but the main ones used in portable power stations today are types of lithium-ion (Li-ion) batteries, often lithium nickel manganese cobalt oxide (Li-NMC) or lithium iron phosphate (LiFePO4 or LFP).

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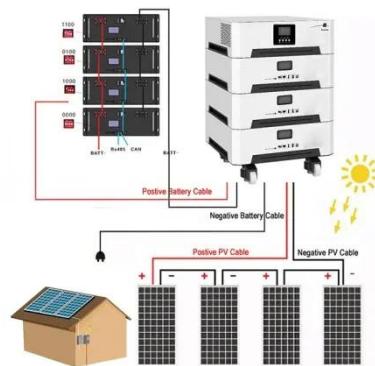


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The Best Portable Power Stations of 2025

The solid-state technology on the Yoshino B4000 SST is the bleeding edge, and it's exciting to see the tech come to portable power stations; (photo/Karuna Eberl)



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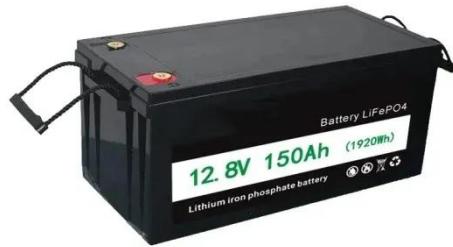
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