



# Is a lithium battery outdoor power supply worth buying

What types of batteries are used in portable power stations?

The two main classes of batteries you'll see right now in portable power stations are LiFePO<sub>4</sub> and NCM. LiFePO<sub>4</sub> batteries utilize lithium, iron, and phosphate, and are considered safer and longer lasting than other batteries.

Are portable power stations worth it?

Portable power stations are more powerful and cost effective than ever before. And, thanks to advances in lithium-ion battery technology, they're also lighter and more compact. Whether you've been dreaming of van life or are building out your emergency kit in advance of that next blackout, there is a power station that will meet your needs.

What are the best portable power stations?

To help you decide, I tested the efficiency, in a variety of scenarios, of the best portable power stations from Jackery, Oupes, EcoFlow, Anker, Goal Zero, Greccell, Bluetti, Dakota Lithium, Lion Energy, Vtoman, and Oupes. ? Jump to the Rest of the Field ? What to Know Before Purchasing a Portable Power Station

How much power can a portable power station hold?

While a particular power station might claim to hold 1,000 watt hours, the actual amount of usable power you can get out of it is a different story. The best portable power stations also have an onboard computer that shows you how much energy is left in your unit, as well as how much power it's currently using.

Are LiFePO<sub>4</sub> power stations portable?

With the new LiFePo<sub>4</sub> battery chemistry, I personally found that units in the 1000 Wh range were fairly portable, while those that were closer to 1500 Wh were more of a chore to pick up and move around. Power stations that stood out as especially difficult or easy to move around have been noted in the individual reviews.

What spec should you consider when buying a power station?

Whatever the reason you are purchasing a power station, the most important spec to pay attention to is watt hours, which is a measurement of how much energy the power station can hold. While a particular power station might claim to hold 1,000 watt hours, the actual amount of usable power you can get out of it is a different story.

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