

Portable energy storage for home use

12.8V6Ah



Nominal voltage (V):12.8
Nominal capacity (ah):6
Rated energy (WH):76.8
Maximum charging voltage (V):14.6
Maximum charging current (a):6
Floating charge voltage (V):13.6~13.8
Maximum continuous discharge current (a):10
Maximum peak discharge current @10 seconds (a):20
Maximum load power (W):100
Discharge cut-off voltage (V):10.8
Charging temperature (°C):0~+50
Discharge temperature (°C): -20~+60
Working humidity: <95% R.H (non condensing)
Number of cycles (25 °C, 0.5c, 100%dod): >2000
Cell combination mode: 32700-4s1p
Terminal specification: T2 (6.3mm)
Protection grade: IP65
Overall dimension (mm):90*70*107mm
Reference weight (kg):0.7
Certification: un38.3/msds



Overview

We tested and researched the best home battery and backup systems from brands like EcoFlow and Tesla to help you find the right fit to keep you safe during outages or reduce your reliance on grid energy. These handy electricity suppliers vary in size, output, and energy source, not to mention durability. As someone who experiences regular power outages due to storms and random occurrences, I've. Stay powered on the go with the best portable power stations out there -- tried and tested by CNET's experts. Article updated on Decemat 2:24 PM PST Sq. Feet of Lab Space CNET staff -- not advertisers, partners or business interests -- determine how we review products and services. If. Check each product page for other buying options. Learn more
Need help?

. We tested out over 40 compact power stations to find out which ones will keep the lights on during blackouts even when you're off the grid When you purchase through links on our site, we may earn an affiliate commission.
EcoFlow Delta 3 Plus Best on a budget 2.

Portable energy storage for home use



[The 7 Best Portable Power Stations for Outages and Outings](#)

Bring big backup power with you with these expert-recommended portable power stations, which can store enough power to charge electronics, appliances, and more.

[The 3 Best Portable Power Stations of 2026 . Reviews by Wirecutter](#)

This unit offers lots of power in a portable, durable, easy-to-use package. Plus, it has a wide array of outlets and charging ports to keep your essential devices running off-grid.



[Amazon : Portable Power Storage Systems](#)

Price and other details may vary based on product size and color. Discover more products with sustainability features. Learn more. Need help?



[Best Tested Portable Power Stations in 2026](#)

Stay powered on the go with the best portable power stations out there -- tried and tested by CNET's experts.



[Portable Power Stations for Camping & Home Backup , Lowe's](#)

Stay powered and connected wherever your adventures take you with a reliable portable power station from Lowe's. Ideal for camping, tailgating, emergencies or everyday outdoor activities, portable ...

[The best home battery and backup systems: Expert tested for](#)

Stay powered on the go with the best portable power stations out there -- tried and tested by CNET's experts.



[The best home battery and backup systems: Expert tested for](#)

We tested and researched the best home battery and backup systems from brands like EcoFlow and Tesla to help you find the right fit to keep you safe during outages or reduce your ...



[The Best Portable Power Stations and Solar ...](#)

These portable power stations can keep your home, RV or camp site powered, and can even pair up with solar panels for off-the-grid recharging.



[The Best Portable Power Stations of 2025, Tested by Bob Vila](#)

We tested 22 portable power stations for over a year to find the best models for home backup, camping, road trips, and emergency power.

[Best portable power stations: Reliable off-grid power & backup](#)

You can check out the full selection below. Every portable power station has undergone comprehensive testing, from comparing capacity and charging times to exploring ruggedness and IP ...



[7 Best Most Reliable Home Energy Storage Systems](#)

From compact portable units to robust whole-house solutions, today's market offers innovative options that'll keep your essential devices running when you need them most. Let's ...

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