

Do you need a backup power generator?

Proper home maintenance is all about planning and preparation. Given the uptick in extreme weather, that may mean investing in a backup power generator to keep your home running in the event of disaster or an extended power outage.

What is a backup generator?

Backup generators, as their name suggests, provide backup energy to your home appliances and devices in case of a power outage.

Are backup generators permanent?

Unlike standby generators, which are permanently installed and automatically detect a power outage and supply power when needed, backup generators are not permanent installations and are only meant to provide temporary power in instances when power fails.

What type of generator is best for a home?

Air-cooled generators are the typical choice for backup residential power. This type of generator offers simple maintenance and affordability. The Generac Guardian 24kW is one of the largest air-cooled generators available, providing up to 24,000 watts of power when connected to a propane fuel supply.

How does a backup power generator work?

Backup power generators provide electricity to the home with the use of two main components: a gas- or battery-powered engine that turns an on-board alternator to generate alternating current (AC) electrical power.

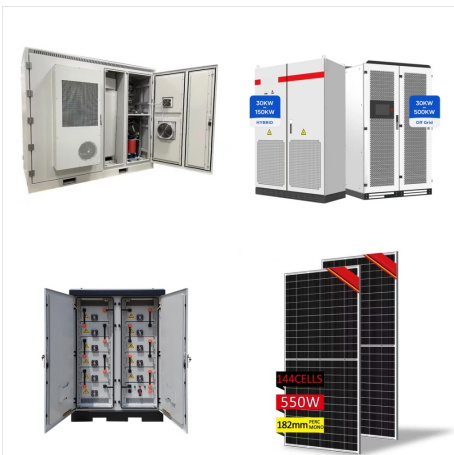
Can a generator power a whole house?

Large whole-house generators can power an entire average home, while smaller units provide power for key appliances. These are the best standby models from CR's tests.

BEST HOME BACKUP POWER GENERATOR



Whether you're home or not, your Generac home standby system kicks into action, and continues to power your home until utility power returns. Standby Generator FAQs Learn more about getting backup power to your home with a home standby solution.



How is an inverter generator different from a standard generator? Standard home generators provide alternating current (AC) power. Inverter generators take in AC power, convert it temporarily to direct current (DC) power, and change it back to AC power for use. This produces a cleaner, steadier, and more consistent flow of power.



Offering plenty of power and ports in a compact package, the Jackery Explorer 1000 is the best portable power station for emergency backup power or outdoor activities such as camping and

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Power and runtime are essential features for generators destined to power household devices. This Honda home backup generator performs really well in that sense as it offers 8.1 hours of runtime and it does it on less than a gallon of fuel, which speaks to its fuel efficiency.. When spending hundreds of dollars on a generator you'll also want to enjoy various ???



Best budget standby home backup generator: Generac Guardian 16,000-Watt; Large Portable Generator for Home Backup. Power vital appliances with a relatively small investment and flexibility of using your generator for other applications. Typically 7,000-12,000 watts and \$800-\$2,000.



Best solar: Jackery 1000 Plus Solar Generator; Best for RVs: Champion Power Equipment 200988 4500 Watt Dual Fuel Portable Generator; Best for home backup: Westinghouse 9500 Portable Generator

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Home battery backup systems, like the Tesla Powerwall or the LGES 10H and 16H Prime, store energy, which you can use to power your house during an outage. Batteries get that electricity from your



Though they're both portable, inverter generators are a newer type of portable generators with newer technology, which makes them quieter and use less fuel. They are safer for your electronics, too, as they provide a higher quality electrical output.



Our top pick for the best home battery and backup system is the Tesla Powerall 3 due to its 10-year warranty, great power distribution, and energy capacity of 13.5kWh. However, the Tesla Powerall

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If you need a little more runtime and power, check out the EF2400iS's slightly older brother, the EF2800i with an 11 litre fuel tank and only weighing 29 kilos - this is a very popular multi-purpose generator; recreation, home backup, handyman tasks, farming, it just runs a tiny bit louder than the EF2400iS. Both models are backed by a 48 month warranty and national ???



The basic types of generators include larger, permanent generators meant to power an entire home in the case of an emergency and smaller portable generators that can be used for smaller homes, RVs



BEST CARB-COMPLIANT: Generac iQ3500 Portable Inverter Generator; BEST BLUETOOTH: Ryobi 2300-Watt Bluetooth Inverter Generator; BEST DUAL-FUEL: Champion 2000-Watt Dual-Fuel Inverter Generator; BEST

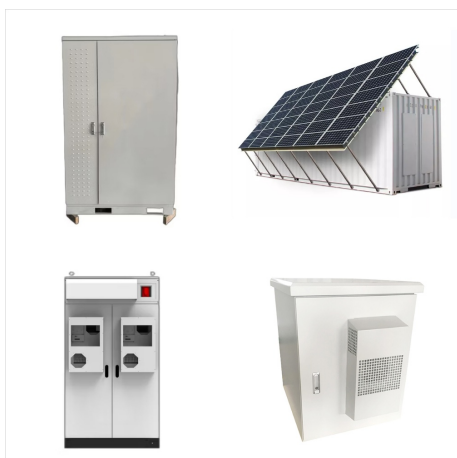
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Choosing the best home backup generator involves several crucial considerations, from understanding your unique power needs to selecting the right type of generator and fuel options. Noise level is also a vital factor, particularly for those living in quiet neighborhoods or having small children.

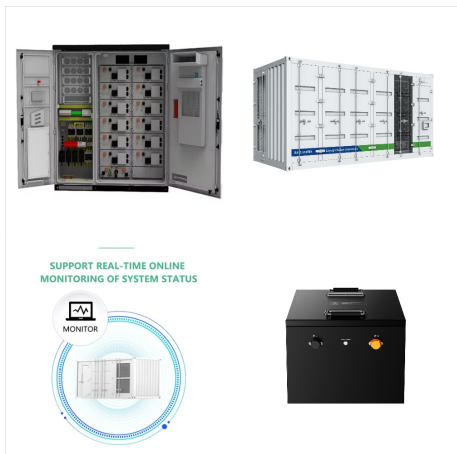


Solar backup generators offer a greener, renewable and more reliable solution to all of these problems.. Solar generators are quiet, lack any harmful fumes and exhaust, and are completely renewable. With a handful of well-placed solar panels, you can provide a FREE supply of backup power for your home.. Today, solar home backup power is within reach of everyone.



This is a 2.0Kw Max, 1.7Kw Rated, 100% pure sine wave petrol generator. It's small size makes it ideal for camping or emergency home backup power, and it can run a small refrigerator, air-conditioner, lights or small appliances with ease.

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The Generac Guardian 26KW Home Backup Generator 7291 is our choice for the Best Overall Whole-Home Generator. Equipped with a G-Force engine, it delivers enough power to reliably run your home's larger appliances with less routine maintenance.



The best generator for your home's backup power isn't the same for everyone. You may have the desire (and budget) to keep the whole house going as if nothing happened. On the other hand, you may only want to keep a few essentials running. Whatever your needs are, there's a home generator for you.



This industrial-grade portable generator is designed for work sites, camping or backup power at home. Its 457 CC 4-stroke gas engine delivers a high power capacity of 12,000 watts for up to 12 hours. Champion 14-kW aXis Home Standby Generator ??? Best for Quietness; Generac Guardian 3-Phase 20kW Automatic Standby ??? Best Reviews

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Fuel is stored in an underground tank or supplied by your home's natural gas. Standby generators are larger than portable generators (7,500 watts to 48,000 watts or more), and they're more expensive, running anywhere from \$5,000 to more than \$25,000. Standby generators need to be professionally installed by a licensed electrician.



For true emergency backup power that can connect directly to your home's electrical system, capable of handling larger appliances as well as hardwired devices like furnaces, water heaters, and



Best Home Standby Generator: Generac Guardian 7209 Built in the United States, the Generac Guardian 7209 is the gold standard for home standby generators. Boasting up to 24kW of power, the Guardian can be set up to run on either natural gas or liquid propane as a fuel source (but you must decide this at installation time).

BEST HOME BACKUP POWER GENERATOR



Best Overall: Westinghouse Dual Fuel Electric Start 12500-Watt Portable Generator; Best Portable: Champion Power Equipment Dual Fuel 8500-Watt Portable Generator; Home Standby Generators