



Best open frame inverter generator

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Whether your home blacks out from a storm or you're going camping, stay powered up with an inverter generator.

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Inverter generators are a great way to bring electricity to your home away from home when heading on a camping trip. They also prove useful during power outages caused by storms. While operating a generator seems straightforward, choosing the right one requires careful thought.

For campers, inverter generators provide portable power for RVs, handheld electronics and appliances, and they can supply energy to your home.

"I prefer inverter generators over standard ones for residential use due to their cleaner power output and quieter operation," says Scot Rounds, a seasoned expert with 20 years of experience in the construction industry. "Inverter generators produce a pure sine wave, similar to household electricity, while standard generators output a square wave, which can damage sensitive electronics. Inverter generators also feature mufflers and sound enclosures, making them run more quietly."

The Champion Power Equipment Open Frame Inverter Generator makes staying powered simple for camping trips, worksites or home use. Thanks to innovative technology that minimizes noise, it's 50% quieter and 20% lighter than traditional generators with the same wattage.

Equipped with two large side wheels and a foldable handle, it's easy to move around. Running on oil, the generator includes a sensor that alerts you when its 1.2-quart tank is low, ensuring you're always aware when it's time for a refill.

When shopping for an inverter generator, it's crucial to assess your specific needs before purchasing. Power output is the key factor--ensure the generator can handle the demands of your devices and appliances.

A smaller, portable option is suitable for powering small items like a toaster or slow cooker while camping. However, a much larger generator is required if you need to power an entire RV, camper, or home. Additionally, regular maintenance is important for extending the generator's lifespan and efficiency, so be prepared to keep up with upkeep to ensure optimal performance.

When calculating the total wattage of appliances and devices you plan to run simultaneously, ensure the generator can handle both their starting and running wattage. A 30-amp (3,600-watt, 120-volt) inverter



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generator can power an AC unit but likely won't support much beyond that. If you need to power your whole house in an emergency--including AC, lights and a refrigerator--you'll need a generator capable of producing closer to 10,000 watts or more.

“When it comes to inverters versus standard generators, the main tradeoff is efficiency versus cost,” says Luis Montes, a 15-year veteran of the gas and electric industries. Standard generators are cheaper but much less efficient than inverters, consuming significantly more fuel to deliver the same power. Inverter generators, on the other hand, can run longer because they burn fuel more slowly. In fact, inverters can be up to 40% more efficient than standard generators operating on the same fuel and power output.

“Inverters provide cleaner, more stable power, superior for sensitive electronics,” says Montes. He suggests that an inverter generator's electrical output is as stable as household electricity. Standard generators, however, can experience power output spikes that pose risks to sensitive electronics, potentially causing overloads or damage. If you're concerned about protecting your devices, an inverter generator is likely the best choice. You can also use surge protectors as an additional safeguard.

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