



Solar power inverter chart

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In this article, we guide you through the different inverter sizes. Additionally, you'll learn what appliances you can power and how you can select the right inverter size according to your power needs.

Result: To power the above appliances simultaneously, you'll need a minimum inverter size of 600 watts. Remember, the x1.4 adds extra security if any of your appliances are inductive loads.

A 300W inverter will simultaneously run all of your small electronic devices, such as phones, tablets, drones, and laptops. It can also power an electric fan while you're working on your computer. Compact but powerful, It will even run a cooler.

A 500W inverter will do a great job at powering your USB devices and laptop, together with LED lights, a water circulation pump, and an electric fan. On top of that, it will easily run a small refrigerator/freezer.

A 700W inverter will have no problem running basic appliances, such as a TV, Bluray player, satellite receiver, LED lights, and small refrigerator/freezer. This is the inverter of choice for a short camping trip.

A 1000W inverter works great in combination with lithium batteries (up to 1kWh). It will run multiple basic appliances simultaneously, such as a refrigerator, TV, projector, video games, printer, and small stereo equipment.

A 1500W inverter is powerful enough to cover most of your needs during an off-grid trip. Aside from all your electronic devices (phones, tablets, cameras, etc.) and basic appliances (LED lights, electric fans, and TVs), it'll run a large fridge and a 0.75Hp water pump simultaneously.

A 2000W inverter is a reliable source of continuous power for your most demanding equipment, such as power tools (driller, grinder, jigsaw, etc.). In addition, it can be a lifesaver in case of a power outage – 2000W is enough to run all of your basic domestic appliances, including a large fridge/freezer.

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