



Running LED TV on Inverter What Size Inverter for a TV

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Well, technically you will be able to power on a modern LED TV with modified sine wave but you will experience interruption in the picture quality and sound output. This is because the jerky square wave leads to vibrations and higher total harmonic distortion. This total harmonic distortion is what interrupts the signals in your TV.

I would recommend using a 500 watt inverter to run a TV, that way you'll have plenty of power to add other appliances. But an average LED TV uses between 50 – 100 watts, so you can a smaller size if you prefer.

Adding 20% more power takes into account the fact that inverters are not 100% efficient plus use a little more power for their internal systems. For example, if you want to draw 100 watts use a 120 watt inverter.

If you want to work out exactly how many watts your TV uses then you can easily do this. The quickest way is to check your user manual and technical information which might list the wattage of your device. Another way is to use a wattmeter which will give you an instant power reading.

You'll see on the table above that I've picked inverters with plenty of capacity. This gives you plenty of room to plug other appliances into your inverter such as DVD players, games consoles, fans, and WiFi. Let's go through the requirements for these added devices.

Of course, you'll need to include the power requirement of your fan when running it from an inverter. You just need to add the TV and fan wattage together to know how many watts you will draw.

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