

Overview

To understand how power tool batteries work, let's take a look inside. A typical battery contains individual cells and a circuit board that work together to power your tools.

Battery technology continues to evolve. As Eastman points out, even larger tools are migrating to battery power.

Battery voltage plays a large role in how well your tool performs, but what exactly is voltage, and how is it calculated?

What is a power tool battery?

A typical battery contains individual cells and a circuit board that work together to power your tools. At the core of a power tool battery are individual cells resembling AA or C batteries. These cells are arranged in specific ways to achieve the voltage and capacity you need for your tools.

What voltage should a tool battery be discharged at?

There will always be some voltage left even when the battery pack no longer runs your tools. They are considered discharged at 1.1V per cell. Using the tool is the safest way to discharge these types of batteries. NiMH batteries have a higher capacity, so they hold more power, but they let it out at a similar rate to the Cadmium batteries.

Should I check the voltage of my power tools battery?

As a safety precaution, it would be a good idea to check the voltage of your power tools battery and the good thing is that this can easily be done using cheap and basic electrical equipment.

Are power tool batteries a good choice?

Power tool batteries have come a long way since the early days of cordless screwdrivers. Today's lithium-ion batteries are more powerful, compact, and

longer-lasting than their predecessors. However, with various voltages and amp-hour ratings available, choosing the right battery for your tools can be confusing.

What does voltage mean on a drill?

Voltage is normally a measurement of power when it comes to tools such as electric drills and other power tools. The general rule of thumb when it comes to voltage readings is that the higher this is, the stronger the drill will be while in use and the same goes for the price.

Should you use a high voltage battery for a tool?

Higher voltage systems (36V, 40V, or beyond) target heavy-duty or outdoor tools. Many tool brands design their batteries to work across multiple tools within the same voltage range. So, once you pick a brand, you can often swap batteries between tools to save money and time. Your battery's amp-hour rating should match your tool's needs:

The tool battery has a voltage of 0



Why do I measure 0 V between the negative pole of a battery

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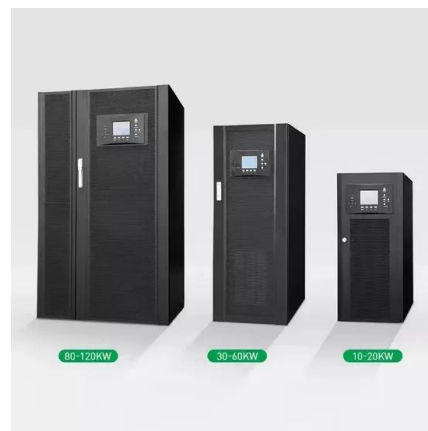


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