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# How much battery power does the tool need to be charged

Do all cordless tools need a battery?

Every cordless tool needs a battery to function. But not all batteries are the same. Before choosing the right power tool for your collection, you need to know about power tool batteries. The task you are performing and how often you use the tool will make a difference.

Are all power tool batteries the same?

But not all batteries are the same. Before choosing the right power tool for your collection, you need to know about power tool batteries. The task you are performing and how often you use the tool will make a difference. It should be noted that there is no such thing as a universal battery charger for power tools.

Why do cordless power tools use Li-ion batteries?

When cordless power tool brands switched to Li-ion battery technologies, they spec'ed and advertised batteries according to two fundamental characteristics - voltage and charge capacity, with units of volts and amp-hours, respectively. Voltage is a widely-understood concept, and amp-hours less so.

Is there a universal battery charger for power tools?

It should be noted that there is no such thing as a universal battery charger for power tools. To help maintain loyalty, every manufacturer creates its own batteries and chargers. While voltage and amps can be the same, small details make it impossible for one brand of batteries to fit into a different brand's tools.

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From screwdrivers to hedge trimmers, many cordless tools run on lithium-ion (Li-Ion), nickel cadmium (ni-Cd) or even NiMH batteries. Your charger needs to match your power tool battery ...

This article systematically introduces the impact of power tool battery type (Li-ion, NiCd, NiMH), voltage (12V, 18V, 20V and above), compatibility and capacity on tool ...

Choosing the right cordless tools isn't just about buying the most expensive model. It's about finding the perfect balance between power, battery life, weight, and usability for your ...

Frequently Asked Questions What is the importance of understanding Amp-Hours in Power Tool Batteries? Understanding Amp-Hours helps predict how long a battery can power ...

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