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Title: Tool battery voltage range

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How do you classify a power tool battery?

The principle way of classifying a power tool battery - both at Bosch Professional and elsewhere - is voltage. Voltage is a major factor in determining the amount of power a battery can make available to tools. Bosch Professional power tool batteries fall into five groups, each with a different power level.

What voltage should a tool battery be?

Different tasks require different voltage levels: 12V systems are ideal for light, compact tools. 18V/20V systems are versatile enough for most home projects. 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.

Can you use a power tool battery with a different voltage?

There is no risk of accidentally using a battery of one voltage and a tool of a different voltage, since Bosch Professional has given the various voltage groups different types of physical connection. How long do power tool batteries last?

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.

Oct 30, 2024 · When you think of power tools, one name clearly stands out: Dewalt. Their commitment to both quality and innovation makes them a go-to choice for professionals and ...

Li-ion batteries are reliable, long-lasting, and they are better protected against self-discharge
Conclusion Cordless power tools are often ...

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Diversity: Equip a 12v drill with another brand's battery for increased tool collection variety. Freedom: Avoid brand lock-in and enjoy the liberty of ...

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