

Portable SATA power supply





Overview

What is a SATA power cable?

The SATA power cable supplies electrical energy to SATA devices such as HDDs and SSDs. It normally has 15 pins through which it delivers +3.3V, +5V, and +12V power; this support for multiple voltages is necessary because modern storage devices operate best at different voltages most of the time.

How do you connect a power supply to a SATA hard drive?

A key part of connecting a power supply unit (PSU) to a computer's SATA hard drive or SSD is the standard SATA power cable. It usually has 15 pins and provides three voltage outputs: +3.3V, +5V, and +12V.

What are the different types of SATA connectors?

SATA Connectors: SATA connectors are mainly used to power hard drives and SSDs on today's computers. Their 15-pin design provides sufficient power and allows for connecting three devices through one cable if needed. **Molex Connectors:** These 4-pin connectors were commonly used with older hardware components before being replaced by SATA connectors.

How to choose an extension cable for SATA power?

To achieve the best performance, you must pay attention to length and type while choosing an extension cable for SATA power. Measure the distance between your power supply and optical drive, but add a little extra to allow for some slack that makes it easier to install or move.



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[What Is a SATA Power Cable? Full Guide](#)

A SATA power cable is used to deliver power from your computer's power supply unit (PSU) to devices like SSDs, HDDs, and optical drives that use ...



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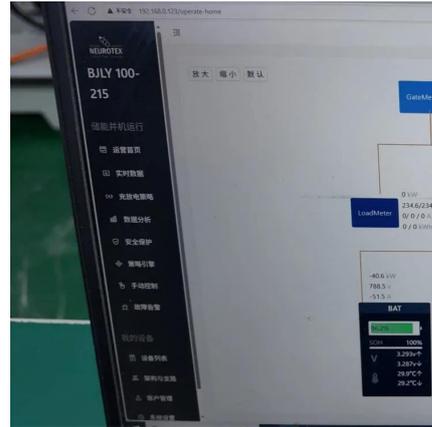
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