

Power supply is placed in the distribution box



Article Overview

The main power supply enters the distribution box through the main switch or circuit breaker at the top or designated incoming terminal, from where it is distributed to individual circuits.

Incoming Power in a Distribution Box

The power supply enters the distribution box from the main electrical line connected to your home or building. This is typically routed through a main switch or main circuit breaker, which acts as the primary control and safety device. The main switch allows you to turn off the entire electrical supply in case of maintenance or emergencies, and it protects the system from overloads or short circuits .

Internal Distribution

Once the power enters the box, it is distributed to individual circuit breakers or fuses that control specific areas or appliances in the building. The distribution occurs via bus bars, which are metal strips that conduct electricity to each circuit. The neutral and grounding bars provide return paths and safety grounding for the system . In modern distribution boxes, additional devices like RCDs, RCBOs, and surge protective devices may be installed to enhance safety and energy management .

Identifying the Power Supply Location...

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Contact Us

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