

Complete power distribution box for electricity meters

Article Overview

A power distribution box with an electricity meter safely distributes electricity to multiple devices while monitoring energy usage, often featuring circuit breakers and waterproof outlets.

Key Features

- **Voltage and Current Capacity:** Many models operate at 110V with a maximum load current of 60A, suitable for high-demand applications in workshops, construction sites, or factories .
- **Integrated Electricity Meter:** A multifunctional meter allows real-time monitoring of energy consumption, helping manage power usage efficiently .
- **Circuit Protection:** Equipped with leakage circuit breakers and branch circuit breakers (commonly rated at 20A), each outlet is individually protected to prevent overloads and electrical hazards .
- **Outlet Configuration:** Typically includes 4 NEMA 5-20 IP44 waterproof sockets, allowing safe connection of multiple devices simultaneously .

Safety and Reliability

- **Waterproof and Durable:** The box is often made from high-quality ABS plastic with an IP65 shell rating and IP44-rated sockets, providing protection against water, dust, snow, and UV exposure .
- **Certification:** Many units have ETL certification, ensuring compliance with safety s...

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Distribution board

A distribution board (also known as panelboard, circuit breaker panel, breaker panel, circuit breaker, electric panel, fuse box or DB

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Meter boxes are usually installed on the outside of a building or at a public power access point for utility companies and customers to

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