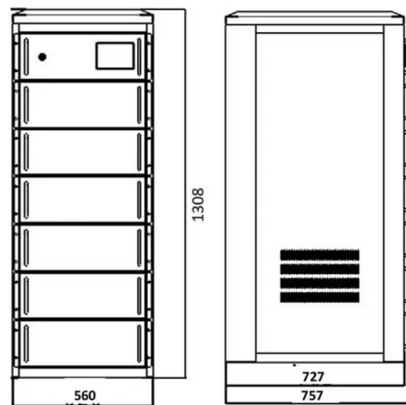


Dispensing Machine Power Distribution Box



Article Overview

A dispensing machine power distribution box safely manages and distributes electrical power to all circuits of a vending or dispensing system, ensuring organized, efficient, and protected operation.

Function and Purpose

A power distribution box for a dispensing machine acts as the central hub for electricity, taking power from the main supply and distributing it to various components of the machine, such as motors, sensors, payment systems, and lighting . It ensures that each circuit receives the correct voltage and current while protecting the system from overloads, short circuits, and electrical faults.

Key Components

Typical components of a dispensing machine distribution box include :

- **Circuit Breakers and Fuses:** Automatically disconnect circuits in case of overload or short circuit.
- **Bus Bars and Internal Wiring:** Efficiently route electricity from the main input to each circuit.
- **Residual Current Devices (RCDs/RCBs):** Protect users by cutting power if leakage is detected.
- **Main Switch:** Central control for turning the entire system on or off....

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