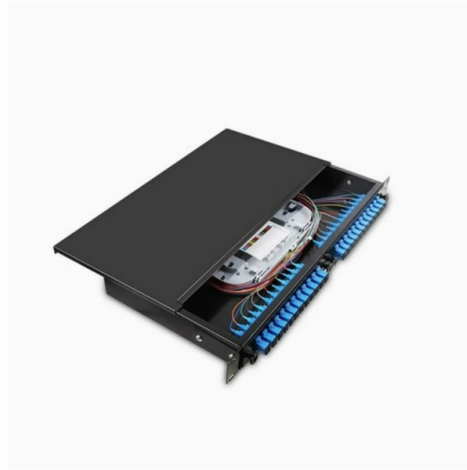


# Installation of electrical distribution box for temporary prefabricated houses



## Article Overview

A typical temporary prefab house distribution box uses a 63A main switch with multiple 10A and 16A branch breakers, pre-wired in a compact, factory-tested enclosure for safe and rapid on-site installation.

### Main Components

- **Main Circuit Breaker:** Usually 63A for 100-120<sup>2</sup> prefab homes, providing full-system isolation during overload or maintenance .
- **Branch Circuit Breakers:** Typically 12-16 breakers, including 10A for lighting and 16A for sockets, kitchen appliances, and wet-area circuits .
- **Centralized Terminal Box:** Streamlines incoming and outgoing wiring, reducing errors and eliminating the need for separate terminal boxes .
- **Busbars and Wiring:** Color-coded conductors (Red, White, Blue for phases; Black for neutral) with proper torque to prevent heat buildup .

### Configuration Guidelines

- **Load Calculation:** Estimate total load (usually 8-10 kW for a standard prefab home) and allocate branch circuits accordingly .
- **High-Load Appliances:** Assign dedicated 16A breakers for ovens, refrigerators, or laundry equipment .
- **GFCI Protection:** Include at least one 16A GFCI-protected circuit for wet areas to comply with safety standards ....

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