

Construction Site 380 Distribution Box



AI Overview

A 380V construction site distribution box is a robust electrical panel designed to safely distribute three-phase power to tools, machinery, and temporary lighting on construction sites.

Overview and Purpose A 380V distribution box, often referred to as a Level 3 or tertiary distribution box, is used to deliver three-phase power from a main supply to various construction equipment and temporary installations. It ensures safe, organized, and reliable power distribution for handheld tools, small machinery, and site lighting. These boxes are essential for maintaining operational efficiency and safety on construction sites.

Key Features

- Rated Current and Main Switch:** The main switch should match the outgoing current of the connected Level 2 distribution box, typically ranging from 63A to 100A or higher depending on site requirements.
- Sockets and Terminals:** Options include industrial sockets, waterproof 5-hole sockets, AC30 sockets, or terminal blocks. Three-phase equipment may require 4-core or 5-core sockets depending on whether a neutral line is needed.
- Protection Mechanisms:** Built-in circuit breakers protect against overload, short circuits, and leakage. High-end models include zero-arc designs and monitoring units for voltage, current, power quality, and harmonics.
- Construction and Durability:** Boxes are made from steel or premium ABS materials, offering waterproofing, impact resistance, and suitability for outdoor environments.
- Portability:** Many models are compact and lightweight, allowing easy relocation across the site.

Applications

- Powering Handheld Tools:** Concrete vibrators, drills, grinders, welders, and cutting machines.
- Small Machinery:** Mortar mixers, steel bar cutters, small water pumps, and other low-power equipment.
- Temporary Lighting:** Foundation pits, corridors, and night construction areas.
- Terminal Distribution Points:** Close to electrical equipment for efficient and safe power access.

Installation Considerations Ensure compliance with local electrical codes and IEC standards. Res...

Article Content

Expert Guide: Select the Right Temporary Power Distribution Box

Expert Guide: Select the Right Temporary Power Distribution Box Workplace injuries from slips, trips, and falls make up 27% of all incidents, and messy wiring is often the culprit. Temporary power

Best Jobsite Power Distribution Boxes for Safe, Reliable Power on ...

On busy job sites, a robust power distribution setup is essential. The right distribution box can improve safety, simplify wiring, and prevent downtime. This guide reviews five highly versatile options

G CDQCN Distribution Box 380V 63A IP54 12 Sockets Industrial ...

This industrial-grade temporary power distribution box is specifically designed for use at construction sites, offering reliable power supply solutions for lighting, maintenance equipment, and other

Power Distribution Box Electrical Box 2 Core 220-250V

[Convenient Outdoor Use] With a portable design, this socket distribution box offers easy transportation and is suitable for various electrical equipment maintenance

Yctze Industrial Power Distribution Socket Box with 2 220

This feature not only safeguards your electrical connections but also guarantees safe in wet conditions, making it ideal for outdoor projects and construction sites where is prevalent.

How to Choose the Right Power Distribution Box for Your Construction Site

Select the right power distribution box by matching site power needs, safety standards, and future expansion for reliable construction site performance.

Power Distribution & Supply For Construction Sites

Portable & temporary construction site power distribution, supplies & electrical products, including transformers, plugs, cables & sockets. Get next day delivery to your site.

Temporary Power Distribution Box for Construction Sites and Outdoor ...

Discover how E-abel temporary power distribution boxes support safer outdoor power supply for construction sites, municipal projects, and events. Learn how CEE socket distribution

Industrial AC220/380V Power Distribution Box for Safe Operations ...

Industrial AC220/380V Power Distribution Box for Safe Operations, Find Details and Price about Explosion-Proof Power Box Emergency Power Box from Industrial AC220/380V Power Distribution

GENERAL INFORMATION

Design and versions Through their solid construction and the use of high-quality materials and components, Elektra construction site current distributors provide high levels of safety and a long

Distribution Protection Box Portable Outdoor Power Distribution Unit ...

[INTELLIGENT RCBO PROTECTION] Equipped with a selectable RCBO leakage protector (40A rated), this distribution box automatically cuts off power during faults to prevent

Construction Site Electrical Panel Setup | Distribution Board Wiring ...

In this video we are showing a complete Construction Site Electrical Distribution Panel setup. This includes MCCB, MCB, DB boxes, cable management, earthing and load distribution for

Key Points Of Installation And Collocation Of Distribution Box In ...

The power distribution system at the construction site shall be distributed in different levels. The main distribution box (or distribution room) shall be set up.

Buy 380V Distribution Box | Stage, Industrial & Outdoor Use

Shop durable 380V distribution boxes for stage lighting, construction sites & industrial control. Waterproof, IP65-rated, customizable options. Fast delivery from top global suppliers.

Construction site electrical enclosure

Find your construction site electrical enclosure easily amongst the 25 products from the leading brands (BIO-UV, YSCABINET, ERLO, ...) on DirectIndustry, the

Construction site

PCE specialises in the production of CEE industrial plugs and sockets, earthing contact plugs and sockets and supplies a complete range of rubber, metal and plastic distribution boxes.

Industrial Socket Box, European Style Power Distribution Box 5 380 ...

PORTABLE DESIGN: The portable distribution box is designed to be compact and lightweight, making it easy to carry and move around. It is suitable for temporary construction sites, enabling workers to

Site Boxes IP44 IK09 Single-Phase and Three-Phase

Site Boxes On a construction site, temporary power supply determines the safety of the entire team and the continuity of work. The site box is the central element of temporary electrical distribution: it

ENERGY METALBOX Assemblies for Construction Sites (ACS) distribution ...

ENERGY METALBOX range consists of construction site distribution boards in metal cabinets with technopolymer socket-outlets.

How To Maximize Worksite Safety When Using Power Distribution Boxes

Some common violations found with temporary power on construction sites are wiring not rated or listed for the application, and openings not covered on distribution panels. Sometimes it can

Smart Distribution Box Systems for Modern Construction Sites

Enter smart distribution box systems: the unsung heroes that keep construction sites powered, safe, and aligned with the demands of 21st-century building. But what makes these

Industrial Socket Box, 5 380-415V Socket Distribution Box 2 220

Product description 1. [Industrial Grade Socket Box] Equipped with 4pcs two sockets (220 to 16A) and 2pcs five sockets (380 to 415V 16A, 32A), meeting the power distribution needs of various electrical

Construction site three-phase distribution box | EASI-spare

Distribution box with 3 sockets and 3 industrial plugs 16A. Rated voltage: 400V. Delivery within 72h. Secure payment. Get a 5 % discount on your online orders.

Industrial Socket Box, European Style Power Distribution Box 5 380 ...

MULTI FUNCTIONAL POWER DISTRIBUTION: This portable distribution box supports two and three pin sockets, with a built in circuit breaker (C16) providing overload protection, safeguarding

Contact Us

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