

UK construction site electrical distribution box

Article Overview

Construction site distribution boxes in the UK are robust, weatherproof units designed to safely distribute 110V or 400V power, compliant with BS 7375 and BS 7671 regulations.

Key Features and Safety Requirements

Construction site distribution boxes, also called site distribution units, spider boxes, or power splitters, are essential for safely supplying electricity to multiple tools and equipment on construction sites . Key features include:

- **Voltage Options:** 110V CTE (Centre-Tapped Earth) for portable tools to reduce electric shock risk, and 230V/400V for heavier machinery .
- **IP Rating:** Minimum IP44 for protection against splashes of water and dust; some units offer higher ratings for harsher conditions .
- **Robust Construction:** Housings are made from durable plastic or sheet steel, often with steel mounting plates, to withstand impact and outdoor conditions .
- **Socket Configuration:** Units may include multiple CEE sockets (e.g., 3 x 32A 400V) with protective covers to prevent accidental contact .
- **Circuit Protection:** Socket-outlet circuits $\leq 32A$ must comply with Reg 704.410.3.10, using methods such as reduced low voltage (110V CTE), RCD protection, electrical separation, or SELV/PELV .
- **Compliance Standards:** Must meet BS 7375 (Code of Practice for Distribution of Electricity on Construction Sites) and BS 7671:2018+A4:2026 Section 704, with ass...

Article Content

Feb 18, 2026

WALTHER-WERKE: Construction site power distributors

Full range of construction site power distributors The full range comprises connection cabinets, connection distributors, main and

Aug 02, 2025

Temporary Site Mains Distribution Assemblies | Blakley Electrics

A range of temporary mains voltage site distribution assemblies rated from 100A to 4000A. Complete with incoming and outgoing

Sep 06, 2025

GEK Power Distribution

GEK Power Distribution: Your trusted source for portable distro boxes, industrial plugs & sockets, electrical

Jan 31, 2026

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

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

Mar 16, 2026

Amazon .uk: Electrical Distribution Box

Waterproof IP65 Junction Box, Electrical Distribution Box (White), Surface-Mounted, ABS Cable Box for Electrical Outlet Control -

Apr 16, 2026

Site Distribution Boxes

110v units are designed for use with reduced voltage transformers, providing enhanced safety on construction sites by reducing the

Sep 27, 2025

Electrical safety on construction sites

Revised guidance aligned to the health and safety when handling electrical devices on construction sites.

May 02, 2026

Power Distribution & Supply For Construction Sites

Portable & temporary construction site power distribution, supplies & electrical products, including transformers, plugs, cables &

Dec 26, 2025

Temporary Electrical Installations on Construction Sites

For any construction site in the UK, a reliable and safe supply of electricity is fundamental. But with permanent

Sep 24, 2025

Requirements for distribution box at construction site

The distribution box shall be made of iron plate or other fire-proof insulating materials to achieve ventilation, heat dissipation, rain

Oct 03, 2025

Site Transformers – 110v Site Lighting – Site Distribution Boards ...

We manufacture industrial transformers and distribution panels with bespoke arrangements to suit all environments from socket

Jun 01, 2026

Expert Guide: Select the Right Temporary Power Distribution Box

Conclusion Safe and efficient power management requires reliable temporary power distribution boxes at construction sites, events,

Dec 04, 2025

Amazon .uk: Distribution Box

Distribution Protection Box MCB 5 Way IP65 Waterproof DIN Rail Mounted Indoor & Outdoor Electrical Enclosure Consumer Unit

Jan 30, 2026

Portable Power Distribution boards for temporary

As well as our comprehensive product range, we can manufacture any site power distribution board to any

Oct 28, 2025

Temporary Site Mains Distribution Assemblies | Blakley

Blakley Electrics manufacture a range of standard mains voltage site distribution assemblies, rated from

Sep 19, 2025

Site Distribution Boxes

Do distribution boxes need PAT testing? Yes, site distribution boxes are portable electrical equipment requiring periodic inspection

Jan 08, 2026

Temporary Power Distribution Assemblies | Blakley Electrics

Blakley Electrics manufacture and supply from stock a comprehensive range of standard temporary power distribution assemblies.

Jun 17, 2026

Construction Site Temporary Supply | 110V Guide UK | Elec-Mate

Construction site distribution boards are the backbone of the temporary electrical system. They must be robust

Nov 23, 2025

Electricity in construction

Electricity in construction HSE and other organisations have produced guidance on electrical safety that is suitable for a wide range

Jan 22, 2026

ENERGYBOX Assemblies for Construction Sites (ACS) distribution

ENERGYBOX is a complete range of Assemblies for Construction Sites (ACS) pre-wired boards that can be wall-mounted or

May 21, 2026

CONSTRUCTION CABINETS

At Labérine, we offer mobile electrical distribution cabinets, as well as distribution and metering cabinets. Cabinets can be used to

Sep 24, 2025

DISTRIBUTION BOX HIRE | Stuart Power

Distribution box hire offers excellent power distribution and safety to work alongside your generator. Our power distribution boxes

Jun 28, 2026

Everything You Need to Know About Temporary Power

Portable construction boxes give you the immediate, consistent electricity you need to

Nov 30, 2025

Portable Power Distribution boards for temporary

Event Power Distribution Units Temporary Site Power Distribution Units and Boards
Essential Supplies

Apr 05, 2026

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

Apr 03, 2026

Power Distribution Boxes | Electrical Power Distros | Rubber Box

Rubber Box are leading manufacturers and suppliers of power distribution boxes to events venues, film, television and entertainment

Mar 04, 2026

Construction site electrical enclosure

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

May 19, 2026

UK Site Electrics Limited

Suppliers of Site Lighting & Distribution Equipment Home Special Offers Order Online
New Products Contact us

Mar 20, 2026

Temporary electrical installations on construction and demolition sites

Electrical site distribution equipment All units for the distribution of electricity are to comply with BS 4363 Specification

Apr 06, 2026

Site Distribution Boards Archives

Our site power distribution equipment is designed to withstand the tough conditions of construction sites and is used to supply

Dec 14, 2025

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

1. The power distribution system at the construction site shall be distributed in different levels. The main distribution box (or

Dec 25, 2025

How to Make Temporary Power Safer on Construction Sites

Loose wiring, exposed connectors, and unstable electrical connections can cause shocks, equipment failures, or costly

May 26, 2026

Construction Site Temporary Supply | 110V Guide UK | Elec-Mate

Complete guide to construction site temporary electrical supply in the UK. BS 7375, 110V CTE supply, site distribution

Aug 13, 2025

Distribution Boards | Generator Hire | Think Hire,

We supply a vast range of power distribution boards that have been designed for use on construction

Jan 04, 2026

Site Distribution Boxes

Shop site distribution boxes at MyToolShed. Browse 110v and 240v power splitter units from Defender, Faithfull and Sealey. Fast UK

Nov 17, 2025

Temporary Power Distribution Assemblies | Blakley

Blakley Electrics manufacture the widest range of Low Voltage (230V and 400V) and Reduced Low

Mar 25, 2026

Temporary Power Distribution Boxes for Electrical Installation

Temporary power distribution boxes for flexible electrical installation. Robust solutions for construction sites, events and temporary

Mar 11, 2026

Site Electrical Distribution Panels & Equipment

We manufacture a number of electrical distribution system items for various clients in a variety of styles

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

