

# UAE Secondary Distribution Box Model and Dimensions

## Article Overview

Common UAE secondary distribution boxes include the DUNES S series, Schneider Electric DBSeT, and various wall-mounted SMDBs with current ratings up to 800A, designed for harsh Middle Eastern conditions.

## Popular Models

### 1. DUNES S Series (Al Hamad Switchgear)

- o Designed for secondary distribution in commercial, residential, and industrial projects.
  - o Current ratings: Up to 800A using MCCBs and MCBs from ABB.
  - o Sizes: Three complementing sizes, type-tested to IEC 61439 standards and 50°C ambient temperatures.
  - o Mounting: Wall-mounted or floor-mounted.
  - o Applications: High-rise buildings, hotels, rail, bus stations, and filling stations.
  - o Construction: Robust, standardized design suitable for UAE climatic conditions .
- ### 2. DBSeT (Schneider Electric UAE)
- o Supports Acti9, Easy9, and Resi9 devices.
  - o Current ratings: Up to 250A.
  - o Design: Ergonomic, modular, and compatible with EcoStruxure for remote monitoring.
  - o Applications: Residential, commercial, industrial, and critical facilities.
  - o Features: Simplified installation, aesthetic design, and eco-friendly production .
- ### 3. General UAE SMDBs
- o Construction: Sheet steel clad, wall-mounted, IP65/IP66 ratings for weatherproofing.
  - o Current ratings: 250A, 400A, 800A with fault ratings up to 25kA.
  - o Incomers: MCB, ELCB, or isolator; outgoing circuits via SP or TP MCBs.
  - o Dimensions: Vary by manufacturer and current rating; typically modular to accommodate 1-72 outgoing circuits.
  - o Applications: Industrial, residential, commercial, and renewable energy projects .

## Key Considerations for UAE Installations

- o Compliance: IEC 61439 or BS EN 61439-2 standards.
- o Environmental suitability: Designed for high temperatures (up to 50°C) and dusty or humid conditions.
- o Mounting options: Wall-mounted or floor-standing depending on space and load requirements.
- o Future-proofing: Modular design allows for expansion and integration with smart monitoring systems. These secondary distribution boxes serve as zonal hubs, distributing power from the Main Distribution Board (MDB) to Final Distribution Boards (FDBs) for lighting and power circuits, ensuring safety, reliability, and compliance in UAE buildings .

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Discover the Best Electrical Distribution Boxes in Dubai with Fiorentina AE. High-quality, durable, and

Learn how to choose the right electric db box for your UAE project. Our expert guide covers selection, sizing, and

This document provides specifications for secondary distribution boards. It includes three parts: general requirements, products and

Leading suppliers and manufacturers of Power Distribution Box in the UAE and Dubai. Our high-quality Power Distribution Box are

This document provides specifications for various types of plastic distribution boxes, including their

Lucy Electric is a global leader in primary and secondary power distribution solutions, with over 100 years of experience in the

They are used for a safe and reliable distribution and control of power. o Available up to 6 rows o Door earthing provided to ensure

The Distribution Boards are powered by proven quality, ensuring dependable circuit protection against both overload and short

GSDB-4030 400x300x190 3 Phase Service Connection Distribution Box/ ABC Distribution Box 11.

Constructed from high-impact Carbon Steel, Stainless Steel, or Thermoplastic, our distribution boxes are

Follows the principle of "one machine, one switch, one RCD, one box, one lock," ensuring no single switch controls

Secondary Distribution Secondary Switchgear is a modular concept based on the "building blocks" principle, which means that

CHINT provide one-stop Secondary Distribution System Solution solutions. From consulting services to engineering design and

Distribution boxes, also known as electrical distribution boards or panels, are pivotal components in electrical systems, ensuring the

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A Distribution Box (DB), also known as a breaker panel or electrical hub, is the critical junction point where

The electricity is distributed through the breakers in the secondary circuits once the wire is connected to the distribution board. This

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