

Standard Dimensions of a 1-Meter Distribution Box

Article Overview

A 1-meter distribution box typically has external dimensions around 1000 mm in height, 400-600 mm in width, and 200-300 mm in depth.

Typical External Dimensions

For a standard 1-meter (1000 mm) distribution box, the external dimensions generally fall within the following ranges:

- o Height: 1000 mm (1 meter)
 - o Width: 400-600 mm, depending on the number of ways and internal layout
 - o Depth: 200-300 mm, sufficient to accommodate DIN rail-mounted devices, wiring, and cable entry
- These dimensions are common for wall-mounted or compact floor-standing distribution boards, suitable for residential, commercial, or light industrial applications .

Internal Usable Space

The internal space is slightly smaller than the external dimensions due to wall thickness, door returns, mounting bosses, and gaskets. Typically, the usable width and depth are reduced by 20-40 mm, which should be considered when planning for MCBs, RCDs, or terminal blocks .

Mounting and Installation Considerations

- o DIN Rail Compatibility: Most 1-meter boxes are designed to accommodate standard 35 mm DIN rails for modular devices .
- o Cable Entry: Top and bottom knockouts or gland plates allow flexible cable entry. Depth should allow proper bending radius for incoming and outgoing cables .
- o IP Rating: Depending on the environment, boxes may have IP55-IP66 ratings for dust and water protection .

Summary

A 1-meter distribution box is generally 1000 mm tall, 400-600 mm wide, and 200-300 mm deep, with internal space slightly smaller due to structural components. These dimensions provide adequate room for modular electrical devices, wiring, and safe installation while maintaining compliance with standard electrical enclosure practices .



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The minimum inner dimensions of the room shall be 2000 mm X 2000 mm to serve up to 32 meters for type 1, and 3800 mm X 3610

Wiring of the Distribution Board (Single Phase Supply From Utility Pole & Energy Meter to the Consumer

Meter Boxes Direct was established to manage, manufacture and distribute our range of meter boxes and enclosures. With over 25

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

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This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways. It

The power distribution boxes deliver electricity from the main electrical main to other circuits. Several distribution boxes

Distribution boards (generally only one in residential premises) usually include the meter (s) and in some cases

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1.4. GENERAL CONSTRUCTIONS: The meter box shall be weather proof, tamper proof and shall be made of Injection moulded

In flammable and explosive environments, explosion-proof distribution boxes should be selected and explosion-proof

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