

Nepal Lighting Distribution Box Dimensions



AI Overview

Lighting distribution boxes in Nepal typically follow standard dimensions with tolerances of $\pm 10\%$, designed for safe and organized power distribution. Typical Dimensions and Construction Material: 2 mm galvanized iron (GI) sheet for outdoor boxes; plastic or metal for indoor consumer units. Protection Rating: IP-55 for outdoor boxes to prevent dust and water ingress. Door and Locking: Slanting roof with 50 mm overhang, Godrej 3-position locking system, concealed hinges. Earthing: Two solid earthing points on either side. Bus Bars: Copper flat bars, typically 25x4 mm, with color-coded insulation or paint (Red, Yellow, Blue, Black). Cable Glands: Heavy-duty, double compression type for incoming and outgoing cables. Internal Layout: Provision for one bus bar with 4-pole MCCB and one outgoing feeder with 2 sets of 3-pole MCCBs. Lighting Provision: Space for internal lighting inside the cabinet. Illustrative Dimensions (with $\pm 10\%$ tolerance)

Type	Height (mm)	Width (mm)	Depth (mm)	Mounting
Small Indoor DB	300	200	120	Flush/Surface
Medium Indoor DB	400	300	150	Flush/Surface
Large Outdoor LTDB	600	500	250	Wall-mounted
Extra-Large Outdoor LTDB	800	600	300	Wall-mounted

These dimensions are illustrative and may vary depending on manufacturer, capacity, and specific installation requirements. Suppliers in Nepal, such as Electra Electric, Rath Switch, Junon Electrical, and Asem Lights, provide distribution boxes with these standard configurations. Notes for Selection: Ensure the IP rating matches the installation environment (IP-55 for outdoor, IP-21 or IP-30 for indoor). Verify MCCB compatibility and bus bar arrangement for the intended load. Consider mounting type (flush vs. surface) based on wall structure and space availability. Check for type-tested certification from approved laboratories for safety compliance. This information can be used to plan, procure, or design lighting...

Article Content

BHEL Technical Specs: Distribution Boards

This document provides the technical specifications for distribution boards and lighting panels for the 3x800 MW Patratu Thermal Power Station project in India.

Distribution Box

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Rathi Switch

The product dimensions are 366 mm x 376 mm x 595 mm, while the carton dimensions are 445 mm x 415 mm x 650 mm. The net and gross weight of the product is 14.000 kg and 16.250 kg, respectively.

Electrical Distribution Box Design Guide | PDF

The document provides details for designing the electrical distribution box and circuits for a residence. It includes specifications for the main circuit breaker such

NEPAL NATIONAL BUILDING CODE NBC 206:2024

NBC 206:2024 "Architectural Design Requirements" (second revision) is the code which sets out the basic design and detailing requirements to be fulfilled for the preparation of architectural design and

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NBC 207: Electrical Design for Buildings

Where necessary deeper boxes of suitable dimensions shall be used. Suitable ventilating holes shall be provided in the inspection box covers, where required. 7. Earthing 7.1 General The object of an

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6Wresearch actively monitors the Nepal Lighting and Distribution Panel Board Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, and

How to determine the size of distribution box

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Nepal Electricity Authority Construction Standards

This document provides guidelines for construction standards of Nepal Electricity Authority. It outlines design criteria for electrical systems including sub

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TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

General Technical Particulars for LT Distribution Boxes : - The L.T. Distribution Boxes should be of the dimensions as per the drawing & details in the table furnished.

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