

Rwandan Outdoor Distribution Box Dimensions



AI Overview

Outdoor distribution boxes in Rwanda are typically fabricated from 2 mm GI sheet steel with illustrative dimensions subject to $\pm 10\%$ tolerance, designed for IP55 protection and outdoor use. Typical Construction and Dimensions Outdoor distribution boxes in Rwanda, as per technical specifications, are generally made from 2 mm galvanized iron (GI) sheet steel with reinforced channels for structural stability. The roof is slightly slanted with a 50 mm overhang at the front and back to prevent water ingress. The boxes include Godrej-type 3-position locking systems, concealed hinges, and two solid earthing points on either side for safety compliance. The dimensions provided in technical documents are illustrative, with a tolerance of $\pm 10\%$, allowing manufacturers or bidders to specify their own dimensions based on project requirements. Boxes are designed to accommodate one bus bar arrangement with 4-pole MCCB and outgoing feeder arrangements with 2 sets of 3-pole MCCBs, ensuring adequate clearance and insulation. Design Considerations IP Rating: IP55 for dust and water protection, suitable for outdoor exposure. Cable Entry: Heavy-duty, double compression cable glands for incoming and outgoing cables. Detachable plates are provided for fixing cable glands. Internal Layout: Provision for lighting, copper bus bars (25x4 mm), and insulation barriers between MCCBs to prevent heat transfer. Customization: Boxes can be tailored for voltage levels, number of feeders, and space constraints while maintaining compliance with REG standards. Summary While exact dimensions are project-specific, a standard outdoor distribution box in Rwanda is robust, weatherproof, and designed for low-tension electrical distribution, with flexibility in size to meet installation and operational requirements. For precise dimensions, manufacturers or project engineers typically provide drawin...

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

Website: <https://umele-pestovani.eu>

Email: info@umele-pestovani.eu

Phone: +49 152 287 6349

Address: Neue Mainzer Straße 66-68, 60311 Frankfurt am Main, Germany

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