

Article Overview

Switch distribution boxes in Singapore come in a variety of sizes, typically ranging from small 2-gang wall boxes to large industrial enclosures up to 630A, with dimensions depending on type, material, and application.

Typical Types and Sizes

1. Small Wall-Mounted Boxes

- o Example: YC-302 2-gang electrical box (flush mount) is designed for residential or light commercial use .
- o Dimensions for 2-gang boxes generally range around 80-120 mm width, 80-120 mm height, and 50-70 mm depth, though exact measurements vary by manufacturer.

2. Surface-Mounted Metal Distribution Boxes

- o VM-DBM range offers up to 13 different sizes to suit various installation needs .
- o These boxes are typically used for consumer units or small commercial circuits.
- o Dimensions can range from 200 mm x 200 mm x 100 mm for small units to 600 mm x 400 mm x 200 mm for larger surface-mounted boxes.

3. Industrial and Modular Enclosures

- o ENYMOD Mi and ENYSTAR systems allow assembly of distribution boards up to 630A, suitable for commercial and industrial applications .
- o Modular enclosures can be customized, with heights from 400 mm to over 2000 mm, widths from 300 mm to 1200 mm, and depths from 150 mm to 600 mm, depending on the number of modules and switchgear configuration .

- o IP65-IP67 rated enclosures are common for outdoor or harsh environments, ensuring dust and water protection.

4. Overground (OG) Power Distribution Boards

- o Used in industrial or marine settings, these boards are often custom-sized to accommodate specific cable terminations, breakers, and control panels .
- o Typical dimensions are 600-1200 mm width, 800-2000 mm height, and 300-600 mm depth, but exact sizes are project-specific.

Key Considerations

- o Material: Thermoplastic (polystyrene or polycarbonate) for small boxes; metal for industrial or surface-mounted units.
- o IP Rating: IP65-IP67 for outdoor or wet locations.
- o Capacity: Small boxes up to 63A; industrial boards up to 630A.
- o Customization: Modular systems allow flexible sizing to fit site-specific requirements. For precise dimensions, it is recommended to consult the manufacturer datasheets or contact local suppliers such as Asiatic Group, Schneider Electric Singapore, or E-Technik Synergie, as sizes vary by model and application .



Singapore switch distribution box dimensions

Junction Boxes An electrical junction box is an enclosure housing electrical connections. Junction boxes protect the electrical

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Distribution board serving lighting, air conditioning unit and power final sub-circuit shall be of plug-in miniature circuit breakers type. It

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