

What are the dimensions of a stainless steel electrical distribution box

Article Overview

Typical stainless steel electrical distribution boxes have external dimensions ranging from 10"x8"x6" (250x200x150 mm) to larger sizes depending on the model and customization options.

Standard Dimensions

- o QILIPSU Stainless Steel Box: External size is 10"x8"x6" (250x200x150 mm), with internal dimensions slightly smaller to accommodate wiring and components .
- o Polycase SA-49 and SA-54 Enclosures: These 304 stainless steel boxes are available in various sizes; approximate external dimensions are provided by the manufacturer, but exact measurements depend on features like flanges, feet, and bosses . Internal dimensions are slightly reduced from the external size to account for wall thickness and mounting panels.

Material and Wall Thickness

- o Most stainless steel boxes are made from 304 stainless steel, with some models using 201 or 316 stainless steel for enhanced corrosion resistance .
- o Wall thickness varies by model but typically ranges from 1.2 mm to 2 mm, providing durability and protection against environmental factors .

Customization and Mounting

- o Many stainless steel distribution boxes are wall-mountable and can be customized in size, finish, and internal layout to suit specific applications .
- o They often include hinged doors, keyed latches, bonding studs, and internal panels for secure installation and grounding .

Protection Ratings

- o These boxes are generally rated IP55 to IP66 or NEMA 4X, making them suitable for indoor and outdoor use, resistant to dust, water, and corrosion .

In summary, stainless steel electrical distribution boxes come in a range of sizes, with common small-to-medium external dimensions around 10"x8"x6", customizable internal layouts, and robust wall thicknesses to meet industrial and environmental protection standards. Always check the manufacturer's drawings for precise measurements before installation .



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316 Stainless Steel Electrical Enclosures Stainless steel enclosures protect electrical equipment where there is a potential of

The SA-49 gasketed enclosure is crafted from 304 stainless steel, and is rated up to NEMA 4X, meeting the IP65/IP66 specifications

The stainless steel enclosure box is a wall-mounting distribution board. The panel board is designed and

Stainless steel electrical enclosures provide protection in indoor and outdoor applications as well as an

Our distribution boxes are perfect for industrial environments, catering to automation, robotics, and processing facilities. They provide

The size and finish color of the stainless steel enclosure box can be customized. Dimensions (mm)

VIOX: Leading manufacturer of premium distribution boards and electrical panels. Custom solutions for

Size (height x width x depth): 500 x 300 x 200 mm. Distribution box made of 1.2mm thick steel and painted

Metal Distribution Box Features Continuously welded seams Foam-in-place seamless gasket 120-degree opening heavy-duty

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