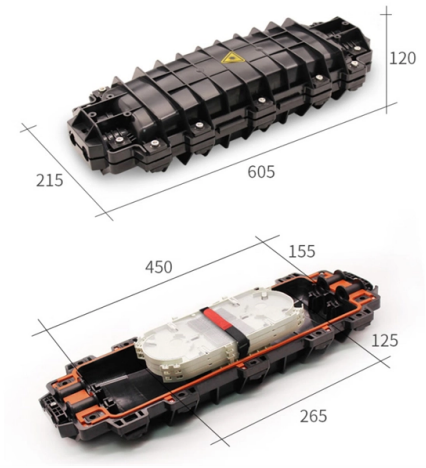
Price of dustproof heat dissipation box for electrical distribution box



Overview

304 Stainless Steel Electrical Box, Outdoor Electric Enclosure Case. Dustproof Electrical Enclosure: Designed with a sealed door frame and groove structu.

Key Takeaways

Dustproof heat dissipation boxes for electrical distribution typically range from $50 to $250 depending on size, material, and additional features.Price Overview
• Small to Medium Galvanized Steel Boxes with Fans and Thermostats
• Example: Akwscyby outdoor electrical box with automatic cooling, dehumidification, and dustproof mesh measures 15.7" x 13" x 7.1".

• Price: Around $120–$150 on Amazon .

• Features: Galvanized steel, integrated fan, temperature controller, dustproof sealing strips, suitable for indoor/outdoor use.

• Ventilated Waterproof Boxes
• Example: YETLEBOX outdoor junction box with heat dissipation windows, hinged waterproof cover, and dustproof gasket.

• Price: Approximately $80–$130 depending on size and accessories .

• Features: IP-rated protection, internal mounting panel, cable glands, and easy wall or pole installation.

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• Industrial Metal Distribution Boxes
• Example: Made-in-China metal distribution boxes with ventilation and heat dissipation functions.

• Price: Typically $150–$250 for medium-sized enclosures, with OEM/ODM options available for larger orders .

• Features: High-quality sheet metal, CE/3C certifications, suitable for industrial and commercial applications.

• Customizable Iron/ABS Enclosures
• Example: WINDLAND heat dissipation enclosure with iron body and ABS side panels.

• Price: Around $100–$200, depending on customization and size .

• Features: Static electricity sprayed finish, optional cutouts, and silk-screen printing for industrial projects.

Factors Affecting Price
• Material: Galvanized steel and aluminum are more expensive than plastic but offer better durability and EMI shielding .

• Size: Larger boxes with more internal space and mounting options cost more.

• Features: Integrated fans, thermostats, dustproof mesh, and waterproof gaskets increase the price.

• Certifications: CE, 3C, or IP ratings for dust and water protection can affect cost.

• Quantity: Bulk orders from manufacturers like Alibaba or Made-in-China can reduce per-unit cost.
Recommendation

For residential or small commercial use, boxes in the $80–$150 range with dustproof and heat dissipation features are sufficient. For industrial or outdoor applications, investing in $150–$250 enclosures with higher IP ratings, ventilation, and certified materials ensures long-term reliability and safety. Selecting the right box should balance size, material, protection rating, and additional features to match the specific electrical distribution requirements.

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temperature

The heat dissipation of a heated metal box is dominated by the thermal resistance of the metal/air interface, not by the thermal

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304 Stainless Steel Electrical Box 16" x 12" x 8" Outdoor ...

There are heat dissipation holes on the top and sides, which is very friendly to the components that need heat dissipation. Made of

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