

Price of Large Outdoor Server Racks

Article Overview

Outdoor server racks typically range from \$500 to \$3,500 or more, depending on size, IP rating, and additional features.

Price Ranges and Factors

- o Small Outdoor Racks (6U-12U, IP55): These compact racks suitable for edge computing or small network installations generally cost \$500-\$1,200. They provide basic weatherproofing, ventilation, and lockable doors .
- o Medium Racks (18U-24U, IP55-IP65): For larger deployments, including telecom or municipal infrastructure, prices typically range from \$1,200-\$2,500. These often include built-in fans, thermostats, and reinforced construction for outdoor durability .
- o Large or Custom Racks (30U-42U, IP65-IP66): High-end or bespoke outdoor cabinets designed for extreme environments, high-salinity areas, or flood-prone zones can cost \$2,500-\$3,500+, especially if they include stainless steel hardware, UV-stabilized gaskets, and advanced climate control .

Key Features Affecting Cost

- o IP Rating: Higher ingress protection (IP65 or IP66) increases cost due to better sealing against dust, water, and UV exposure .
- o Size and Height (U): Taller racks with deeper mounting profiles require more material and structural reinforcement, raising the price .
- o Cooling and Ventilation: Built-in fans, thermostats, and filtered ventilation systems add to the cost but are essential for maintaining equipment reliability .
- o Material and Construction: Marine-grade aluminum or stainless steel, welded construction, and lockable doors improve durability but increase price .
- o Accessories: Shelves, cable management, PDUs, and mounting kits can add \$50-\$300 depending on complexity .

Purchasing Tips

- o For low-power, sheltered installations, a smaller IP55 rack may suffice and is more cost-effective.
- o For high-exposure or high-power setups, invest in IP65/IP66 cabinets with active cooling to prevent equipment failure.
- o Many suppliers, including Serverschrank24 and Server Room Environments, offer custom quotes for specific sizes and features, which is often necessary for accurate pricing .

In summary, expect to pay \$500-\$3,500+ for outdoor server racks, with the final price determined by size, IP rating, cooling, and material quality. Contacting suppliers for a tailored quote is recommended for precise budgeting.

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What is a server rack? A server rack is a specialized enclosure designed to house IT equipment. It

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A two-post server rack is suitable for lightweight equipment, while 4-post server racks and cabinets come

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