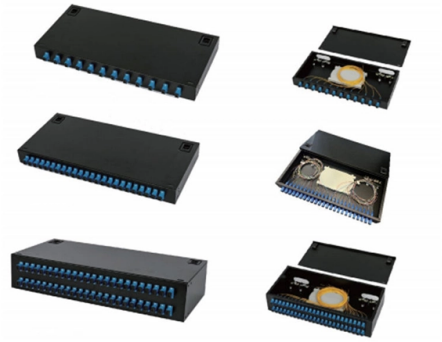
How much does a 47U low-voltage complete set of equipment cost Inquire for price



Overview

47U Server Rack Price Guide: How to Choose WiselyA practical, no-fluff guide to 47U server rack pricing — what drives cost differences, when to spend more.

Key Takeaways

A 47U low-voltage complete set of equipment typically costs between $1,000 and $5,000, depending on rack quality, included components, and optional accessories.Rack Cost

A standard 47U server or telecommunications rack alone ranges widely: economy models cost $95–$550, while certified enterprise-grade racks can reach $1,300–$1,700 or more . Premium racks, such as the Rittal VX IT Rack 47U 800x1200, offer perforated doors, high static load capacity (up to 1,200 kg), and ventilation features, and are priced at the higher end of this range .

Additional Components

A complete low-voltage setup usually includes:

• Power Distribution Units (PDUs) for safe power management

• Rackmount UPS and battery trays for backup power

• Cable management accessories (vertical/horizontal organizers, blanking panels)

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• Monitoring devices (temperature, humidity, access control)

• KVM switches for server control These components can add $500–$3,000 depending on brand, capacity, and redundancy requirements .
Total Estimated Cost

Combining a mid-range 47U rack with essential low-voltage equipment, the total cost is roughly:

• Budget setup: $1,000–$2,000 (basic rack, minimal PDUs, no UPS)

• Standard setup: $2,000–$3,500 (mid-range rack, PDUs, UPS, cable management, monitoring)

• Premium setup: $3,500–$5,000+ (enterprise-grade rack, high-capacity PDUs, redundant UPS, advanced monitoring, KVM switches)
Factors Affecting Price
• Rack dimensions and depth (600–1200mm)

• Material and build quality (steel vs aluminum, IP rating for outdoor use)

• Included accessories (UPS, PDUs, monitoring, KVM)

• Shipping and assembly costs, especially for fully assembled racks weighing 100–180 kg In summary, a 47U low-voltage complete set can vary significantly in price, but for a fully functional, enterprise-ready configuration, budgeting $2,500–$4,500 is a practical starting point.

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