

Price of a standard configuration for a level 3 distribution box



Overview

When you start looking for a distribution box, you'll quickly realize the price range is wider than a highway.

Key Takeaways

The price of a Level 3 distribution box typically ranges from \$40 to \$200 or more, depending on material, protection rating, and configuration.

Factors Affecting Price

- **Type and Application:** Distribution boxes vary by usage: residential, industrial, explosion-proof, or smart/intelligent systems. Industrial and smart boxes generally cost more due to higher load capacity and advanced features .
- **Material:** Common materials include plastic, steel, and aluminum alloy. Plastic boxes for home use are inexpensive (\$10-\$25), steel boxes for industrial use are around \$40, and aluminum alloy units are higher priced due to durability .
- **Protection Rating:** Higher IP ratings (e.g., IP65 for dust and water resistance) increase cost, especially for outdoor or harsh environments .
- **Configuration:** A Level 3 configuration usually includes a main switch, multiple room socket circuits, high-power appliance circuits, and lighting circuits, along with appropriate circuit breakers (1P, 1P+N, 2P) and protective devices like leakage protectors and surge protection . More circuits and higher amperage increase the price.

- **Brand and Quality:** Premium brands like Schneider Electric, Siemens, ABB, and Chint offer higher reliability and after-sales support, which can raise the cost compared to generic brands .

- **Additional Features:** Smart monitoring, modular design, and integration with building management systems can further increase the price .

Estimated Price Range

- Basic residential Level 3 box: \$40-\$80 (plastic or small steel, standard protection)

- Industrial or high-capacity Level 3 box: \$100-\$200+ (steel or aluminum, IP65, multiple circuits, advanced safety features)

- Smart or modular Level 3 box: \$150-\$300+ (integrated monitoring, remote control, energy management)

Investing in a quality distribution box ensures long-term reliability, safety, and reduced maintenance costs, making higher upfront costs worthwhile for industrial or commercial applications .

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