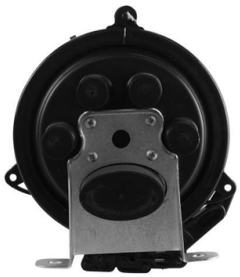
# Price of Transformer for Secondary Distribution Box



## Overview

Our 2025 guide breaks down costs for distribution & substation transformers by kVA/MVA, materials (copper/aluminum), and features.

## Key Takeaways

The cost of a transformer for a secondary distribution box typically ranges from $1,500 to $25,000, depending on capacity, materials, and features.

### Typical Price Range

Secondary distribution transformers, which step down voltage for residential or commercial use, generally cost between $1,500 and $25,000. Smaller units for residential areas (15–50 kVA) are at the lower end, while larger commercial or industrial units (up to 500 kVA) can reach the higher end of this range. Some sources indicate prices can go up to $50,000 for advanced models with high efficiency or specialized features.

### Factors Affecting Price

Capacity (kVA rating): Higher kVA ratings increase the cost due to larger cores and windings. Winding Material: Copper windings are more efficient and compact but cost 15–30% more than aluminum windings. Insulation Type: Oil-immersed transformers are common, but dry-type or less-flammable insulation can increase price.

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Efficiency and Core Material: High-efficiency designs, including amorphous steel cores, reduce energy losses but raise upfront costs. Protective Features: Devices like tap changers, bushings, and Buchholz relays add to the cost. Monitoring and Smart Features: Digital monitoring or smart grid compatibility can increase the price but improve long-term operational efficiency.

Geographic and Market Factors: Local regulations, shipping, and raw material prices (copper, steel) influence final costs.

### Total Cost Considerations

Beyond the purchase price, the total cost of ownership includes installation, maintenance, and energy losses over the transformer's lifespan, which typically ranges from 20 to 30 years. Investing in higher-efficiency or smart transformers can reduce operational costs and provide a return on investment within a few years.

### Summary

For a secondary distribution box, expect a base price of $1,500–$5,000 for small residential units, and $10,000–$25,000 for larger commercial units. The final cost depends heavily on capacity, materials, efficiency, and additional features, so obtaining a custom quote from manufacturers is recommended for precise budgeting.

## Article Content

Transformer Cost Breakdown: An Engineer''s 2025 Price

Our 2025 guide breaks down costs for distribution & substation transformers by kVA/MVA, materials (copper/aluminum), and features. Get the realistic budget

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Transformer price is based on the average price of one assembly. The price list include cost for current transformer and distribution pole type

Transformer Cost Guide: Price Ranges and Budgeting 2026

The overall project cost combines the transformer price with installation, site work, and compliance expenses. The following outlines typical project ranges and per-unit estimates, with brief

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Learn how much a transformer costs and what factors—like size, voltage, type, and installation—affect the final price for residential, commercial.

Substation Cost Estimator

A comprehensive tool to determine the cost of building a substation or any small portion of it. All material cost is populated. Input quantity for an estimate.

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The Japan single-phase transformer market encompasses distribution-class devices (typically 0.5–50 kVA, 100/200 V secondary) that serve residential, small commercial, and light

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Transformer Cost Breakdown: An Engineer''s 2025 Price

Wondering about transformer prices? Our 2025 guide breaks down costs for distribution & substation transformers by kVA/MVA, materials

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Price List for Transformer - Free download as PDF File (.pdf), Text File (.txt) or read online for free. The document provides specifications for distribution dry type transformers, including: - KVA ratings from

Distribution Transformer Price: Factors Influencing Cost

Transformer Capacity: The capacity or kVA (kilo-volt-ampere) rating of a distribution transformer is a significant factor in determining its price.

Transformers | Distribution, Power & More | Slaters

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Electrical Transformer Box Price Guide by Capacity & Type | CHBEB

Discover transformer box prices by kVA, type, and features. Learn cost drivers, installation fees, TCO, and tips for new, used, and customized transformer options.

Electric Transformer Price – Comprehensive Guide

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However, when it comes to electric transformer price, buyers often find a wide range of costs and technical variables. This guide offers a complete overview of transformer pricing, including

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 The Short Answer: Transformer Price Ranges A power transformer''s cost ranges dramatically from $3,000 to over $4 million, depending on its type, size

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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