



75kVA Transformer Price: Features, Applications, Market Trends & Expert Insights

Model:	
OEM and ODM Services:	Available
Enclosure:	PINEELE standard
Brand:	PINEELE, a Brand Under ZHENGXI
Form:	All- packaged Type
Scope of Application:	Suitable for industrial power distribution, voltage stabilization, and transformer protection. Widely used in commercial buildings, manufacturing plants, and utility substations.
Reviewed By:	Zheng Ji, Senior Electrical Engineer at PINEELE 18+ years of experience in HV switchgear design & testing.
Published On:	5 June, 2025
Last Updated:	5 June, 2025

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A 75kVA transformer is a compact, efficient, and reliable solution for power distribution in both commercial and light industrial settings. This article provides a detailed overview of the pricing, specifications, and key considerations associated with purchasing a 75kVA transformer, with professional insights backed by reputable industry sources.





Compact 1 kVA 3 phase transformer installed in control panel

What is a 75kVA Transformer?

A 75kVA transformer is an electrical device designed to convert voltage levels—typically from a higher primary voltage (such as 11kV or 6.6kV) to a lower secondary voltage (often 400V or 240V). Its “kVA” rating refers to its apparent power capacity, with 75 kilovolt-amperes suitable for mid-scale loads.

These kVA transformer guide are commonly available in two types:

- **Dry-type transformer:** Air-cooled, low maintenance, ideal for indoor use.
- **Oil-immersed transformer:** Uses mineral or synthetic oil for cooling, suitable for outdoor or high-load applications.

Where are 75kVA Transformers Used?

Due to their medium power rating, 75kVA transformers are extensively used in the following environments:

- **Commercial buildings** – Powering lighting, HVAC, and office equipment
- **Schools and hospitals** – Supplying stable electricity in sensitive environments
- **Small-scale industrial workshops** – Supporting motors and control panels
- **Telecommunication towers** – Providing voltage conversion for remote installations
- **Renewable energy systems** – Acting as step-up or step-down units in solar arrays



Price Range and Market Influencing Factors

The price of a 75kVA transformer generally ranges from **\$1,200 to \$4,000**, depending on several factors:

- **Type of transformer:** Oil-immersed units are often less expensive than dry-type ones.
- **Voltage configuration:** Transformers with custom primary or secondary voltage ratings may command higher prices.
- **Brand:** Reputable global manufacturers such as **ABB**, **Schneider Electric**, or **Siemens** offer premium products with enhanced durability and compliance.
- **Standards & certifications:** Compliance with **IEC 60076**, **IEEE**, or local grid codes adds value but may increase cost.
- **Accessories included:** Temperature sensors, surge protectors, tap changers, etc., can affect pricing.

Technical Specifications of a Typical 75kVA Transformer

PARAMETER	TYPICAL VALUE
Rated Capacity	75 kVA
Primary Voltage	11kV / 6.6kV / 3.3kV (customizable)
Secondary Voltage	400V / 230V
Frequency	50Hz / 60Hz
Cooling Method	ONAN (Oil Natural Air Natural) / AN (Air Natural)
Efficiency	≥ 98% (as per IEC 60076)
Insulation Class	Class F (dry), Class A or B (oil)
Mounting Type	Pad-mounted / Pole-mounted / Floor

Market Trends & Insights

According to reports published by **IEEMA** and research papers available on **IEEE Xplore**, demand for transformers in the 50–150kVA range is growing due to rapid infrastructure development and the proliferation of distributed energy systems (DERs). The increasing trend toward **smart microgrids** and **renewable integration** has also pushed utilities and businesses to invest in efficient, compact transformers like the 75kVA class.

Moreover, modern designs are incorporating **low-loss amorphous cores** and **eco-friendly coolants**, contributing to environmental compliance and long-term savings.

Advantages Compared to Other Transformer Ratings

- **Compared to 50kVA transformers:** Offers 50% more capacity, suitable for larger electrical loads or multiple circuits.

- **Compared to 100kVA transformers:** Slightly lower in cost and footprint; ideal for projects where budget and space are constrained.
- **Dry vs Oil:** Dry-type offers enhanced fire resistance and is preferred indoors, while oil-immersed is cost-effective for outdoor installations.

Selection Advice: How to Choose the Right 75kVA Transformer

To choose the right transformer for your project, consider the following:

1. **Load Profile:** Sum up the total kW load and ensure at least a 20% buffer above peak demand.
2. **Environment:** Indoor installations should use dry-type for safety; outdoor installations may opt for oil-immersed types.
3. **Cooling Requirements:** Environments with high ambient temperatures may benefit from forced-air or ONAN cooling.
4. **Budget vs Efficiency:** Investing in higher efficiency may reduce long-term electricity losses.
5. **Standards Compliance:** Ensure the transformer meets your country's utility standards or international norms like IEC/IEEE.

Authoritative Sources Referenced

- Wikipedia – Transformer
- IEEE Xplore – Transformer Load Management
- IEEMA Reports on Indian Transformer Market
- ABB and Schneider Electric product catalogs

FAQ: 75kVA Transformer

1. How much does a 75kVA transformer cost?

The price typically ranges from \$1,200 to \$4,000 depending on the brand, type (oil/dry), and included features. Customization may increase the price.

2. Can a 75kVA transformer support a small factory?

Yes, it can support light industrial loads such as motors, control panels, and lighting systems, provided the total load remains under 75kVA.

3. How long does a 75kVA transformer last?

With proper maintenance, a quality 75kVA transformer can last **20 to 30 years**, especially if it complies with international standards and runs within rated capacity.

Related products



500kVA Transformer Price Guide: Specifications, Applications & Expert Tips



Compact Substation Transformer Manufacturers: In-Depth Guide to Selection, Applications, and Industry Leaders



6000 kVA Transformer Manufacturers: A Comprehensive Guide to Selection, Application, and Industry Leaders



950 kVA Transformer Manufacturers: Expert Guide to Selection, Application, and Insight



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