



Optimizing Performance through
**Dedication and
Innovation**



PADMAVAHINI TRANSFORMERS PVT. LTD.

An ISO 9001:2015 certified company



About Us

Augmented Excellence through Commitment and Modernization

Padmavahini Transformers has covered many milestones since its inception in the year 1996 to reach its present position of eminence as a leading manufacturer and exporter of transformers. The **ISO 9001:2015** certified company with its state-of-the-art infrastructural unit at Saravanampatti in the suburbs of Coimbatore is connected with road, rail and air transportation.

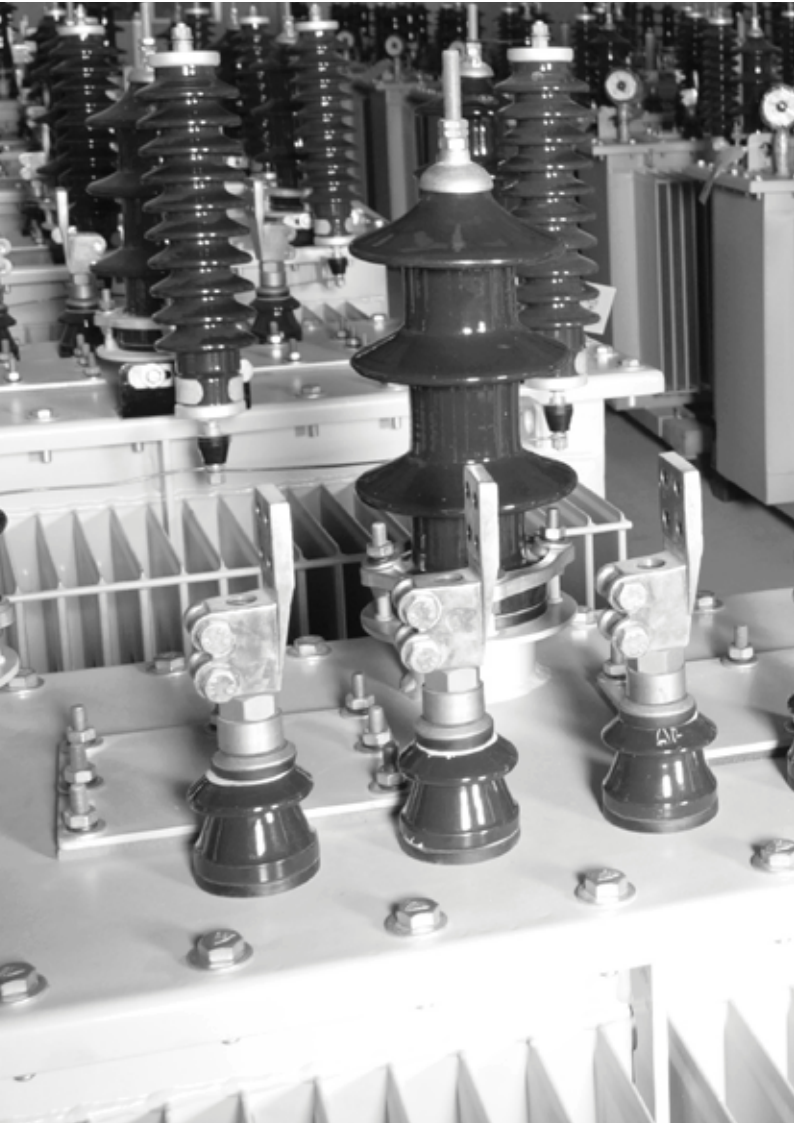
We specialize in the manufacture of distribution and power transformers of any capacity upto the voltage level of 132 kV apart from the standard range, we also provide customization facility to meet the unique requirements of our varied clientele. Our Transformers are reputed for quality, reliability and durability.

We are led by the motivational guidance of our Chairman & Managing Director, Mr.R.Vathirajan, whose technical background and command over technology, shrewd business judgment and domain knowledge have created an enviable position for the organization. His personal accountability in every process ensures committed work culture.

Padmavahini Transformers Pvt. Ltd. has created a benchmark with design innovation and manufacture of transformers and voltage adaptation systems. We have invested substantially on hi-tech infrastructural and manufacturing facilities.

Cutting edge technology at every stage of production ensures product efficiency. Technical expertise and domain knowledge of the team is the mainstay of the company.





ISO 9001:2015 certified company

Leading through
breakthrough
and Commitment

Industries We Serve

Horticulture

Aqua Farm

Oil & Gas Industry

Health Care Industry

General Engineering

High Rise Commercial Complex

High Rise Residential Complex

Textile Industry

Steel Industry

Foundry

Smelting

Tea Estates

Poultry

Institutional Power System

Allied Industry

Sugar Industry

Mining Industry

Automobile Industry

Power Generation (wind /solar)

Petrochemical Industry



Types of Transformers

A transformer is an electrical device that transmits power from one AC system to another. Its design ensures voltage change by magnetic induction.

Padmavahini Transformers is reputed for the diverse range of transformers that meet most unique requirements. Transformers offered by us are as follows:



Distribution Transformer

Following are the features of distribution transformers:

- Carries electrical energy from primary to secondary distribution circuit
- Commercial, residential and light industry have own set of voltage requirements



Power Transformer

- Bulk power handling from low voltage to high voltage and vice versa
- Our power transformers have voltage Upto 132 kV as per IEC standard



Furnace Transformer

- Manufacturing oil cooled furnace transformer for all type of furnaces
- Our range of transformers has capacity to suppress harmonics



Heat Treatment Transformer

Our Heat treatment transformers offers services when:

- LV voltage varies according to specific heat treatment application /requirement
- Multi tapping is required on the LV side with high current



Equipment Transformers

- Special purpose transformers fitted with equipment
- Diverse specification for equipment with varied voltage standard in different geographic location



Multi Tapping Auto Transformers

- Can boost /buck output to the required level
- Cost control on specific application



Dry Type Transformers /USS /CSS

- Ideal for high rise buildings, stadiums, multiplexes, hospitals power plants underground substations, airports etc. where compact transformers are needed
- These are flame retardant and requires no maintenance



Other Custom Built Transformers

- Power Transmission Transformers
- 3phase Transformers
- Voltage Conversion Power Transformers
- For industries where power is supplied from alternating power grid to equipment requiring different voltage or where long distance transmission is required
- Offer customized power solutions on turnkey basis comprising HT, LT, APFC Panels according to client specifications



Manufacturing unit is facilitated with individual testing equipments like:

- High Voltage Test Set (300kV)
- Oil Test Kit (100 kV)
- Motor Alternator Set for DVD Test
- Capacitor Banks
- Three Phases Variac and Single Phase Variac
- Intermediate Transformer
- Pressure Test Set
- Testing Panel





Machine Components

Standards

Our transformers :

- Manufactured and tested as per IS: 2026, IS: 1180, IEC 60076
- Winding design and insulation to tolerate thermal and short circuit stresses
- Overload capacity maintained as per IS: 6600 and specific requirements

Core

- Superior quality examination of diverse grades and designed according to Customer's No Load Loss specification

On –Load Tap Changer

- Transformers fitted with OLTC with different tapings on HV windings to suit client requirement or grid voltage conditions at customers site
- For automatic voltage monitoring , OLTC is supplied with Remote Tap Changing Cubicle (RTCC) Panel and Automatic Voltage Regulator (AVR) (optional).

Winding

- Copper used for winding
- Spiral low voltage winding with paper insulated rectangular conductors
- Crossover HV coils with paper cover & SE copper wire Disc winding with rectangular copper strips(some cases multiple Disc)

Tank

- To withstand temperature rise rigid type of transformer tank with attached cooling fins is required for extensive cooling area.
- Corrugated type transformer tank for better cooling and space economy

Oil

- Oil, conforming to IS:335 and IS:60296, is filled in through streamline filter for moisture and gas removal
- The windings are warmed in a hot air chamber to get high IR values

Accessories:

- Some of the accessories are :
 - Buchholz Relay
 - Dial Type thermometer
 - Winding Temperature Indicator
 - Pressure Relieve Valve
 - Cable Box
 - Magnetic Oil Level Gauge
 - Detachable Radiators
 - AVR
 - TPI
 - OLTC
 - RTCC panel



Manufacturers and exporters of all kinds of transformers

We serve global clients



 Niger
 Kenya
 Guinea
 Burundi

 Uganda
 Hungary
 Tanzania

 Singapore
 Switzerland
 United Kingdom

ISO 9001:2008 certified company



A row of industrial transformers, likely for power distribution, featuring large cooling fins and multiple high-voltage bushings on top. The transformers are arranged in a line, receding into the background.



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