



Trio Transformer



LEADING TRANSFORMER MANUFACTURES





Trio Transformer

ABOUT

Trio Transformer, an ISO 9001:2015 company, takes pride in the manufacturing and distribution of the most affordable, robust and easy-to-maintain transformers that satisfy the unique specifications of our consumers.

Established in the year 1994, having 5000 square feet eco-friendly manufacturing facility stands on the strong pillars of our experienced team of technicians, driven by premium goods, brand equity, & global outlook. The organisation is lead by technopreneur Mr Dilip Mohta.

We are an ethically sound business that works with honesty, validates dedication and conviction, both vertically and horizontally through the organization, and instil a sense of dignity.

MISSION

To emerge as an outstanding transformer provider, with a dedicated team of professionals and experts who are moral, value-driven and have outstanding client relationships.

VISION

We aspire to become one of the finest and most efficient suppliers of solutions for electrical transformer, its manufacturing and distribution. We maintain great commitment towards our trading practices and assure customer loyalty, positioning itself as a model for value generation in the power sector.

VALUE

We follow sustainable management practices, social principles, and work towards manufacturing transformers of high reliability through a process of continual improvement and thereby benefitting the customers.

PRODUCTS



• Distribution Transformer-

Distribution Transformer is an electrical isolation transformer which converts high-voltage electricity to lower voltage levels acceptable for use in homes and business. They are found in all sectors: residential, commercial and industrial. We have the manufacturing capacity: 100KVA to 2000KVA

• Control Transformer-

A control transformer is an isolation transformer that provides good voltage regulation and is also designed to provide a high degree of secondary voltage stability (regulation) during a brief period of overload condition (also referred to as "inrush current"). Control transformers are also known as Machine Tool Transformers, Industrial Control Transformers or Control Power Transformers. We have the manufacturing capacity: up to 100KVA.





• Cast Resin Dry Type Transformer-

In view of the requirement of Indian Industry, we have introduced Trio Cast Resin (Dry Type) Transformers. This introduction supplements our existing product viz. Vacuum Resin Impregnated Dry Type Transformers. Dry Type Transformers of both the above varieties are in use.

• Control Transformer-

A current transformer is specially made to provide a current in its secondary that is approximately proportional to the current flowing in its primary. Current Transformer (CT) has a lot of performance specifications which includes primary and secondary current, insulation voltage, VA burden, and accuracy class. We are acknowledged as one of the leading Current Transformer manufacturers in India.





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• Power Transformer-

We manufacture wide range of Oil Cooled Power Transformers the standard range is 3000 KVA to 10 MVA. 33, 66, KV Voltages Class. Trio manufactures power transformers from 3.0 MVA upto 10 MVA, of 33 kV, 66 kV voltage class. All transformers can be supplied with the desired tapping for positive/negative voltage variation either with OFF circuit or ON load tap changers. We can also manufacture intermediate sizes with non-standard voltage ranges as per customer requirements, Trio Transformer are currently in operation in several power utilities playing an important role in efficient transmission and distribution of electricity.

• Compact Substation

Manufacturer & Supplier of Unitised Substations & Electrical Unitised Substation. Our product range also comprises of Ring Main Units, Gas Circuit Breakers. CSS consist of all the necessary equipment such as VCB, DRY TYPE TRANSFORMER, LBS, RMU, and PROTECTIVE RELAYS etc. Thus CSS is all in one compact substation which has all the necessary devices. This CSS is easily transferable and can be taken into work within a limited period of time. All you have to do is to give H.V side and L.V side connections and your CSS is ready for use which is safe and reliable. CSS are ranges from 250 KVA to 5000 KVA of 11, 22 & 33 KV voltages class. This transformer can be installed in various field of operation such as Casting industries, Textile industries, Residential areas, solar farms, Wind farms, etc.





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• Lighting Transformer-

Lighting transformers are used in a variety of different applications, not just for brightening and dimming lights. Essentially, because they do allow the voltage across a line to be varied, they can be used for any number of applications where the voltage does have to be changed a bit to accommodate various devices. We have a manufacturing capacity: of up to 500KVA

• Solar Duty Transformer-

Ratings: 500kVA to 5000kVA. Primary Voltage: 33000/11000. Secondary Voltage: 415/433/690/800. Built to customer specifications in accordance with IS 2026 Energy Efficiency Standards. This transformer is meant for converting the low voltage into high voltage and feeding into the power grid. Thus this transformer is also known as Converter Duty or Solar Duty transformer. The transformer is designed in such a way that it can resist Harmonic currents caused by the rectifier/inverter. Also, the copper static shield is provided earthen separately to resist radio-frequency disturbance. We manufacture both on-load as well as offload solar transformer





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• VCB Panel Indoor and Outdoor-

Indoor and Outdoor VCB

Available up to rated voltage of 36KV.

Available from 630A-2500Amp rating.

Modular Design.

Outdoor type units available with type test

Explosion vents are provided for all HT Compartments for internal arc.

Compact Design reduces overall civil cost of substation.

Customised requirement like MCC with Vacuum Contactor

Earthing Switch can be provided as per requirement of customer.

We provide panel with standard protection.

We also provide high end protection as per customer's requirement.

Ideal for Utilities, Hotels, Hospitals, all type of Industries.

• Ultra isolation Transformer-

Ultra Isolation Transformer (UIT), provides for total electrical and electrostatic isolation with a most effective active screening of spikes, surges, and transients, further, it gives a true isolated local neutral and dedicated earth which is very essential for modern machines. UIT attenuates common-mode noise and transverse mode noise and provides for noise or interference-free power.





- **Servo Voltage Stabilizers**

The voltage unbalances a current unbalance which results in damage to the motor due to the extra heat. Hence the excessive heat in the motor winding will break down the motor insulation and causes permanent damage to the engine. The best option to protect the motor from damage is to use a servo voltage stabilizer, which is having a separate control system for each phase. It will provide a balanced 3-phase supply at the output, which will take care of both unbalanced and balanced input supply.

- **Line Chokes**

Line chokes are used to provide improved protection against over voltages on the line supply and to reduce harmonic distortion of the current produced by the drive.



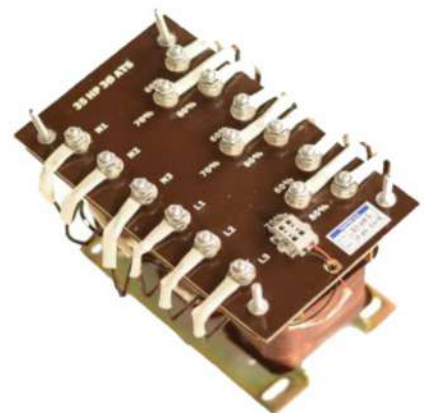


• K Rated Transformer-

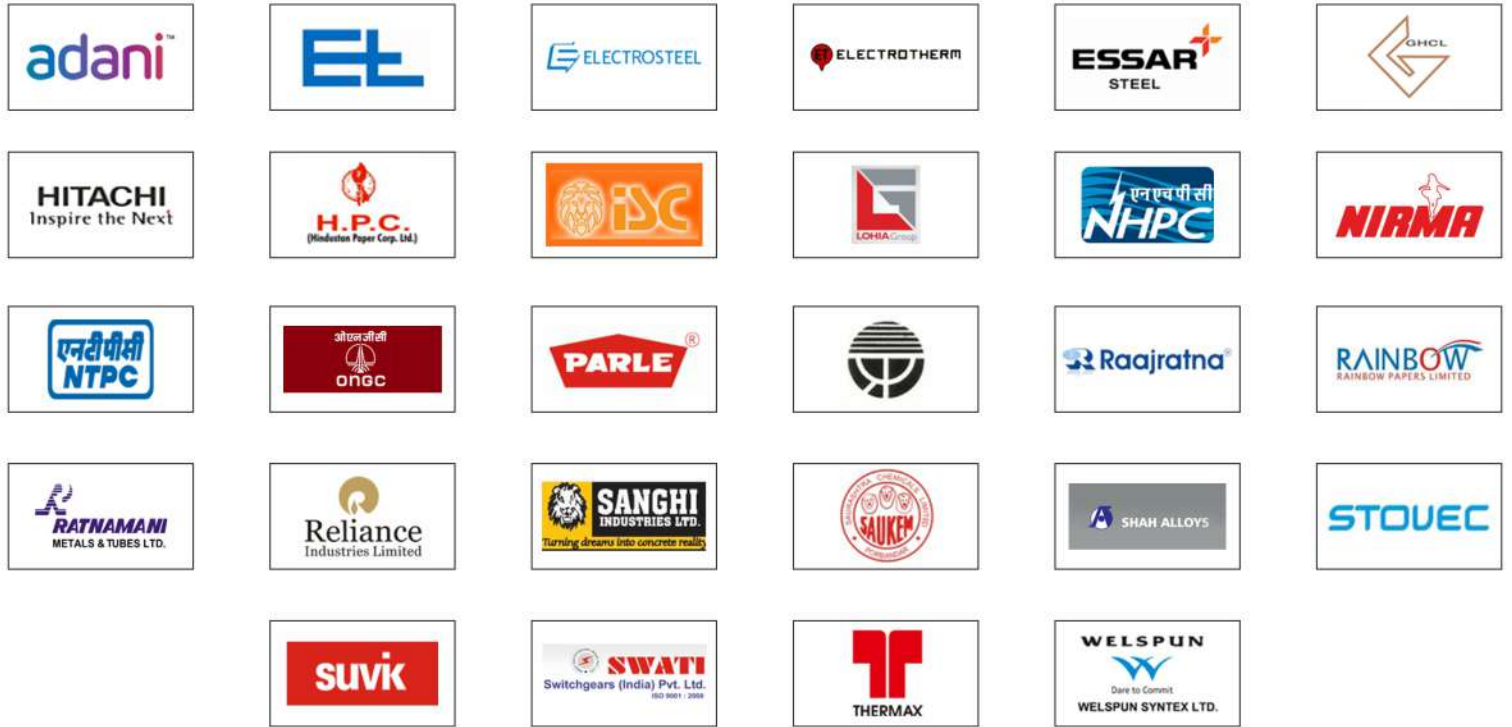
A K-rated transformer is designed at a lower flux density as compared to a normal transformer, which is due to the fact that the third harmonic in the secondary winding causes a third harmonic current to circulate in the primary delta winding, increasing the flux density in the core. The core loss will be higher but it can be reduced by the use of an additional core stack to the core.

• Motor Starting Auto Transformer (ATS) KW-

Autotransformer starting of motors is used widely in starting large industrial motors due to its advantage of providing the highest starting torque with the lowest starting line current compared to other reduced voltage starting methods. It makes it possible to start squirrel-cage induction motors with reduced starting current, as the voltage across the motor is reduced during starting.



CLIENTS



APPROVALS

- ERTL (Electronics Regional Test Laboratory)
- GEB (Gujarat Electricity Board)
- ERDA (Electrical Research And Development Association)
- CPRI (Central Power Research Institute)
- EQDC (Electronics And Quality Development Center)
- GWSSB (Gujarat Water Save And Sewerage Board)
- Airport Authority of India
- Sardar Sarovar Narmada Nigam Limited
- P & T Department
- Sheth Techno Consultants, Ahmedabad
- SMPS Consultant, Ahmedabad
- Nischint Consultant, Ahmedabad
- Nascon Consultants, Ahmedabad
- Antech Consultants, Ahmedabad
- Sumedha Consultant, Ahmedabad
- PTPL (Project Technologist (P) Ltd, Baroda)

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