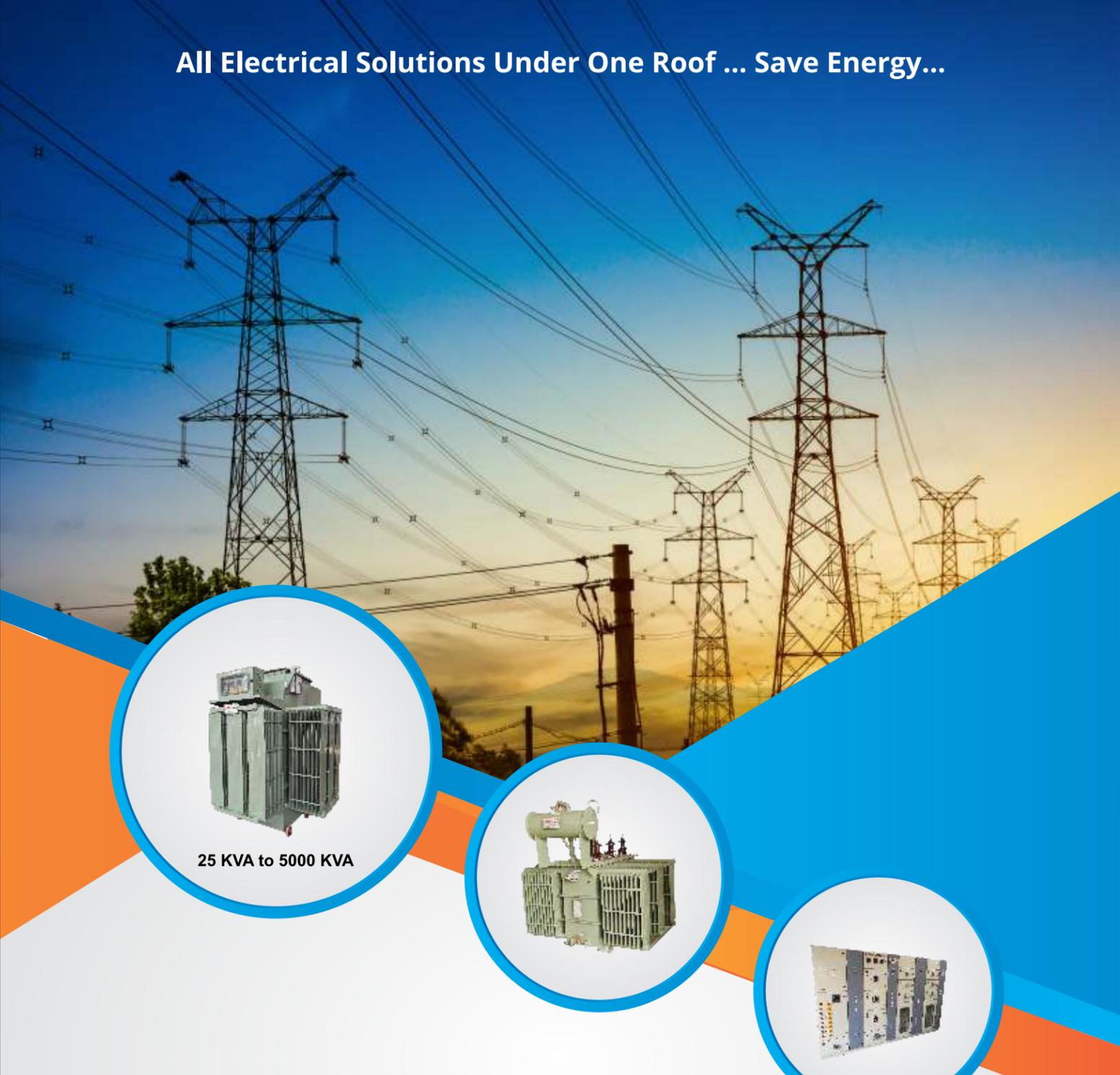




All Electrical Solutions Under One Roof ... Save Energy...



25 KVA to 5000 KVA



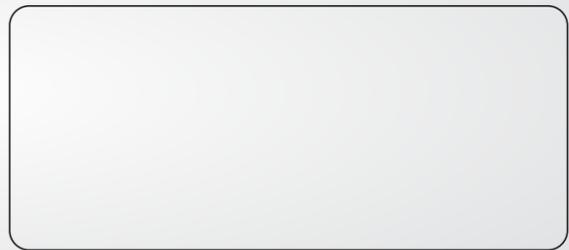
SUPER POWER ELECTRICALS

AN ISO 9001 : 2015 CERTIFIED COMPANY

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SUPER POWER ELECTRICALS

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Servo Voltage Stabilizer | HT Transformer | Control Panel | Electro Plating Rectifier
Automatic Battery Charger | Plate Charger | Power Factor Panel | Step down Transformer | Isolation Transformer

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About Us

Started back in year 2010 with the physical location in Ludhiana, Punjab, our company named Super Power Electricals is specialized in manufacturing electrical gadgets. Our wide range of products includes Servo Voltage Stabilizer, Control Panel, Electro Plating Rectifier, Battery Charger, Plate Charger, Power Factor Panel, Step Down Transformer, On-line UPS, HT Transformer, Isolation Transformer etc. Our manager Mr. Ansari is taking care of our business operations and makes sure that company delivers the best value of customers money. We have been developing our product line under the leadership of our Technical Manager & Team. Mr. Ansari is a technically qualified person and having a experience of more than decade. From manufacturing to delivering the products, we have trained staff which works tirelessly to keep the company ahead in the market. We are one of the most reliable companies which offer electrical products with performance at economical rates.

Quality

Quality Assurance in all products and services are our biggest concern. We are ISO 9001:2015 Certified company. We have maintained our quality and are continuous growing towards excellence so that our esteemed customers will always with our company products. We have the team of professionals that are most talented and skilled in this realm. They use finest quality machines and tools to keep the quality and safety options. We also have quality experts that keep a close track on the fabrication to keep the quality high and elite. With quality assurance, we also offer many services like longer warranty, Good packaging and faster delivery to keep our customers happy and delighted.

Our engineered products are tested on certain parameters at every stage of processing so as to ensure the qualitative needs of the clients. Various quality procedures are conducted on certain important parameters of the products to deliver best quality to the clients. The quality procedures are regularly modified and revised to enhance the quality of the products.



“ Sometimes when you innovate, you make mistakes. It is best to admit them quickly and get on with improving your other innovations.”

Servo Voltage Stabilizers

(Linear Type and Rolling Type)

Balance Type

Unbalance Type



Use for Industries



Use for Industries

Inspite of best efforts, no state electricity board can ensure constant voltage to the customer because of long and inadequate distribution lines and irregular load pattern on distribution transformers. Generally voltage is low during day time and high during night hours. Moreover on holidays, peak hours, rainy day and when agricultural and industrial load is switched off, the voltage rises sharply which is more dangerous.

This higher current affects the electrical motors (particularly smaller capacity motors upto 7.5 H.P) in three ways:

- Higher current produces higher losses in electrical motors which causes premature failure of winding.
- These higher losses of electric motors also increase the losses of cables, switches, transformers and other associated equipments.
- For smooth continuous operation of motors, over load relays are usually set at 20% higher setting.

Types of Servo Voltage Stabilizer

Air Cooled Servo Stabilizer

Oil Cooled Servo Stabilizer

Advantages:

- Servo Stabilizer are known to work very efficiently and provides efficiency up to 98%.
- The Wave form distortion is Zero.
- They generate Very low internal impedance.
- There is Negligible phase shift.
- There is No-effect on Power factor.
- Output regulation of +-1%
- Fast correction rate.



Carbon Roller Assembly



Unbalance type



Balance type

Inner View of Servo Voltage Stabilizer 3 phase

Servo Voltage Stabilizers

(Linear Type and Rolling Type)



Automatic Servo Voltage Stabilizers Dimmer type



Use for Industries and Household



Use for Household

Types of Servo Voltage Stabilizers

Servo Voltage Stabilizers are an essential part of protecting electrical equipment from voltage fluctuations. They are categorized into two main types based on their cooling mechanism:

Air Cooled Servo Stabilizers: These stabilizers are designed to use air as the cooling medium. They are ideal for environments with moderate temperature ranges and are commonly used for indoor applications. Air-cooled stabilizers are energy-efficient, lightweight, and require minimal maintenance. They are typically used for small to medium-sized installations such as offices, schools, and homes.

Oil Cooled Servo Stabilizers: These stabilizers use oil as a cooling agent, making them suitable for heavy-duty industrial applications. The oil helps dissipate heat effectively, ensuring the stabilizer operates efficiently even under high load conditions. Oil-cooled stabilizers are robust and designed for high-capacity equipment like factories, hospitals, and large commercial setups.

Advantages:

- Servo Stabilizer are known to work very efficiently and provides efficiency up to 98%.
- The Wave form distortion is Zero.
- They generate Very low internal impedance.
- There is Negligible phase shift.
- There is No-effect on Power factor.
- Output regulation of $\pm 1\%$
- Fast correction rate.



Inner View of Servo Voltage Stabilizer Dimmer Type

Dry Type Servo Voltage Stabilizer

(Single Phase)

A compact device designed to regulate voltage fluctuations in single-phase power systems, ensuring the safety and efficiency of connected equipment. It uses air cooling and provides precise voltage regulation.

Advantages

- Up to 98% efficiency.
- Zero waveform distortion.
- Fast voltage correction rate.
- $\pm 1\%$ output regulation.
- Compact and maintenance-free design.

Applications

- Homes: Protecting appliances like TVs and refrigerators.
- Offices: Stabilizing computers and electronics.
- Industries: Ensuring smooth operation of sensitive equipment.



Oil Cooled Servo Voltage Stabilizer

(Single Phase)

A Single Phase Oil Cooled Servo Voltage Stabilizer is designed for heavy-duty applications, providing efficient voltage regulation in single-phase power systems. It uses oil cooling to handle high loads and ensure consistent performance.

Advantages

- High efficiency, up to 98%.
- Excellent heat dissipation for heavy loads.
- Zero waveform distortion.
- Fast voltage correction rate.
- $\pm 1\%$ output regulation.
- Durable and robust design for industrial use.

Applications

- Industrial equipment and machinery.
- Hospitals for stabilizing medical devices.
- Large commercial setups like malls and hotels.
- Rural areas with frequent voltage fluctuations.



HT Transformers



With our in-depth experience and knowledge of this market, we are involved in delivering an excellent series of HT Transformer. It is developed with the help of top grade raw components and technology in accordance with the latest industrial standards. This is widely praised amongst our customers for its low maintenance and long service life.

Features:

- Resistant to heat
- High efficiency
- Dimensional accuracy

Control Panel



We have an in-house Fabrication shop where we are continuously making Power Control Panels, Remote Control Panels as per the specific requirements of our esteemed customers. We use the best quality of switchgear made by leading companies L&T, ABB, Schneider, etc. All special requirements of our clients are met while designing the control circuits.

Features:

- Control Panels for Feeder machines
- MCC Panels
- PLC Panel
- Test Benches of all types
- Control Panel for HV Testers
- Panels with Mimic Design
- Automatic Power-Factor Correction (APFC) Panels
- Enclosures for all Transformers

Power Factor Panel

Being a dependable enterprise, we are supplying a comprehensive assortment of Power Factor Panel. These panels are designed with the help of fine grade basic material and progressive technology in adherence to set industrial norms. Moreover, products offered by us can be also be available in various technical specifications as per different requirements of our precious clients.

Features:

- Cable entry is from down side or top side.
- Auto/Manual Selector is available.
- Stage of LED indications are available
- Stage to stage capacitor boosting & reconnection intervals.
- Fully Enclosed wall mountable or floor mountable.
- Working Temperature up to 50 Degree Celsius.
- Incoming control and total protection of panel with 3Pole/MCB/MCCB.
- Soft relay operation of capacitor-Boosting help for smooth power Factor.
- Management & Avoid Sound and disturbances.
- Power & Control Wiring: By Copper multi strand ISI wire.
- Capacitor Bank Wiring: 440V/480 V/525 V/580 V According to your load required KVAR.

Power Factor Panel



Step Down Transformers



Most of the time phase Step Down Transformers are used to Step down the voltage level from the current level to the required level. These are mostly used to supply power source to Machines imported from western nations.

Features

- Phase: 3
- Rating: 200kVA
- Pri Volt: 440V
- Sec Volt: 220V
- Freq: 50Hz
- Ins class: H
- Indoor application

We are manufacturer, supplier and Exporter of wide spectrum of Servo Voltage Stabilizer and Automatic Voltage Stabilizers, which are used with various electrical and electronic applications. These are made in various types of design such as Air Cooled type Servo Voltage Stabilizer or Dry Type 1 Phase or 3 Phase Automatic Voltage Stabilizers.

These Automatic Voltage Controllers and Servo Voltage Stabilizers are manufactured with high grade of Copper Wires and Strips which are complimented with advanced mechanical and electrical processing. These Servo Voltage Stabilizer and Automatic Voltage Stabilizers are suitable for used with all power factor loads which guarantees the least lead losses and better efficiency. Being suitable for all power leads, these ensure 3 phase cooling techniques. inclusive of natural air, forced air and oil cooled.



Dry Type Servo Voltage Stabilizer



Inner View of Dry Type Servo Voltage Stabilizer

Battery Charger & Plate Charger

We are the pioneer in manufacturing of Automatic Constant Current Chargers for plates and battery charging. We manufacture Chargers of different capacities covering a wide range of voltage from 0 to 400 volts DC and current range from 10 Amps. to 200 Amps. It is generally observed while using conventional charger it's charging current varies with the variation of voltage, which causes damage to plates and also to the charger itself. The second problem is faced of falling down of current as the plates or batteries gets charged. To control variation of current during formation, we manufacture Constant Current Chargers having the following technical specifications and main advantages.

Features:

- Maintains constant current at the load.
- No effect of voltage variation on output current.
- Maintains the quality of plates and saves time period.
- Controls over-loading of our electrical supply system.
- Reduction in failure rate of electrical equipments up to 80%.
- Energy saving up to 10% to 15% possible.
- Uniform quality of end products.



On Line UPS



UPS stands for an Uninterruptible power supply which is a machine that enables the electronic device to run when the main power source is lost. It contains a battery that kicks into supply when it successfully detects the insufficient power supply and helps to protect our hardware against damage. Online UPS charges the battery from AC main supply and then supply to load through the inverter. So even if the mains supply fails, there won't be any interruption in the power to the output load. Electric devices like computers, office pieces of equipment, medical equipment, industrial machinery and many more are sensitive to insufficient power supply hence the need for online UPS is highly recommended in these situations.

Electroplating Rectifiers

Our Electroplating Rectifiers are very much efficient at the conversion of Alternate current to the Direct current. Electroplating Rectifiers manufactured by us are widely used in Anodizing, Hydrogenation and various electro-chemical processes. At different output DC voltage, tailor made Electroplating Rectifiers are offered by us with a between 25 Amps to 10000 Amps. We provide Electroplating Rectifiers with negligible maintenance which makes it a popular product of our firm. Our electroplating rectifiers are highly in demand for their compact and sturdy design which can save a lot of space. Electroplating Rectifiers offered by us are supervised by experts at every stage. Our Electroplating Rectifiers takes very less consumption of power and are having analog Indicator for Ampere and Volt. We are offering Electroplating Rectifiers of various capacity between 12V 100 A to 12V 10000 A & 100 V 50 A to 250 V200 A.

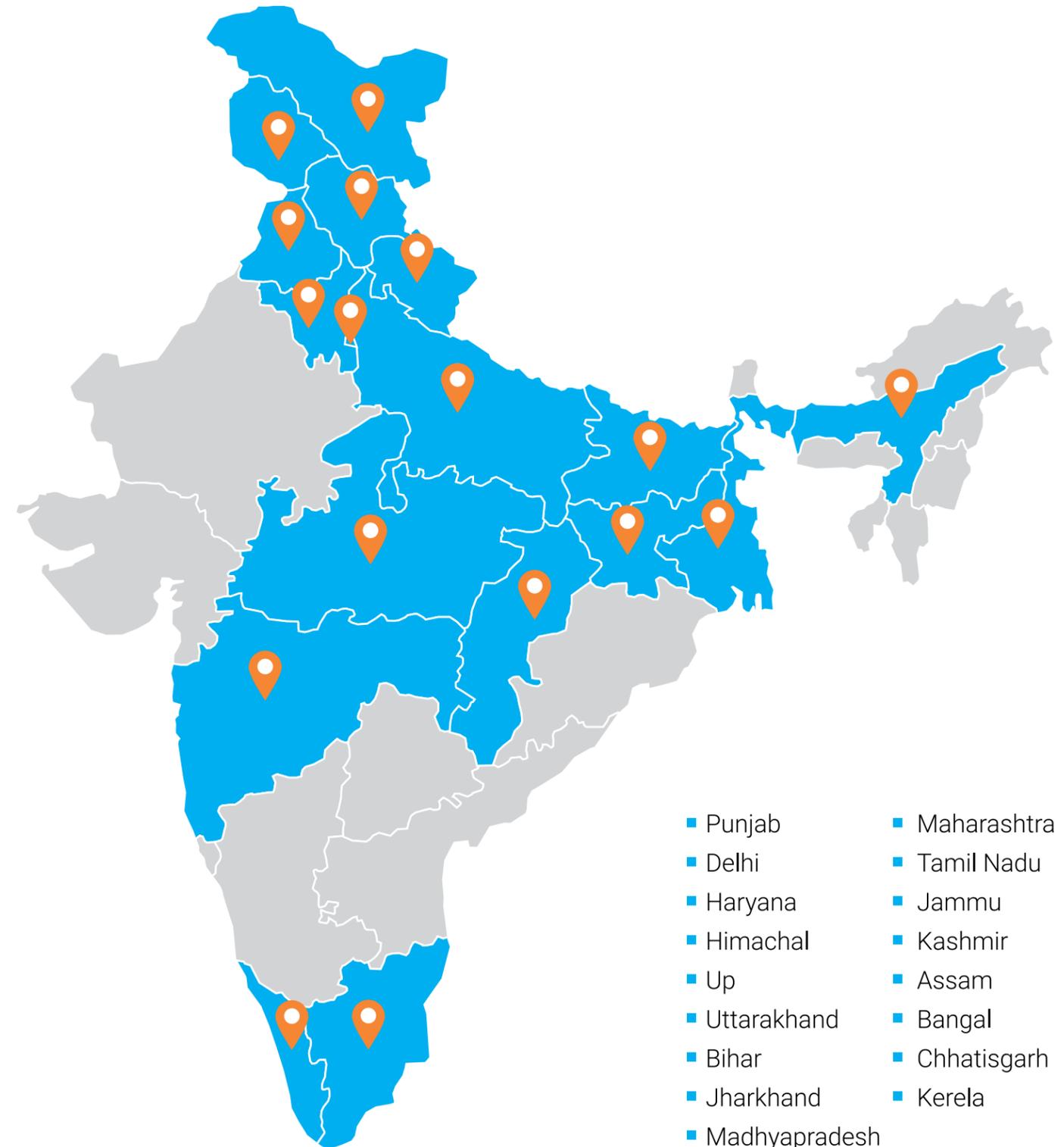


Isolation 3 Phase Transformer

An isolation transformer is a transformer used to transfer electrical power from a source of alternating current (AC) power to some equipment or device while isolating the powered device from the power source, usually for safety reasons. Isolation transformers provide galvanic isolation and are used to protect against electric shock, to suppress electrical noise in sensitive devices, or to transfer power between two circuits which must not be connected. A transformer sold for isolation is often built with special insulation between primary and secondary, and is specified to withstand a high voltage between windings.

Our Pan India Presence

We proudly serve customers across Pan India, ensuring quality and excellence in every service we deliver. No matter where you are, we are committed to reaching you with the best



We also Deal overseas Countries specially in Nepal, Bangladesh & South Africa