



Your
**Build
Mart**

**Electrical
Transformers**



Electrical Transformers

Reliable & Efficient Power Conversion Solutions by YourBuildMart



Sub Categories of Electrical Transformers

- Power Transformer
- Special Purpose Transformer
- Invertor Transformer
- Industrial Furnace Transformer
- 3-Phase Converter Duty Transformer
- PSS Packaged Substation
- Distribution Transformer
- Amorphous Core Transformer
- Dry Type Transformer
- Servo System & UPS

Description

YourBuildMart's Electrical Transformers deliver reliable and efficient power conversion, ensuring smooth operation across various applications, from industrial facilities to residential buildings. Our transformers are designed for high performance and longevity, providing stable voltage management and minimizing power losses. Ideal for businesses and builders who prioritize safety, efficiency, and resilience in power management.

Key Features

High Efficiency & Energy Savings

- Reduces power losses during voltage conversion, optimizing energy usage.

Robust Construction

- Built with high-grade materials that ensure durability and corrosion resistance, suitable for demanding environments.

Thermal and Overload Protection

- Equipped with advanced thermal management and overload protection systems to prevent overheating and maintain safety.

Technical Specifications

Voltage Rating

- Available for a wide range of input/output voltages (e.g., 110V, 220V, 440V)

Phase Options

- Single-phase and three-phase options available

Frequency

- Compatible with 50 Hz and 60 Hz systems.

Compliance Standards

- Meets or exceeds industry standards, including IEC, ANSI, and NEMA.

Benefits

Reliable Voltage Stabilization

- Ensures stable and consistent voltage, protecting equipment and reducing downtime.

Energy Efficiency

- Maximizes energy use by reducing power losses, which can result in long-term savings.

Enhanced Safety Features

- Designed with safety in mind, offering thermal protection and overload safeguards.

Low Noise Operation

- Engineered to operate quietly, making it suitable for residential, commercial, and industrial settings.

Customizable Configurations

- Choose from a variety of voltage ratings, phases, and enclosure types to fit specific power requirements.

Mounting Options

- Floor and wall-mounted options to accommodate various installation needs.

Low Maintenance Requirements

- Built for longevity with minimal maintenance, lowering operational costs over time.

Expert Support

- Access YourBuildMart's technical team for guidance on product selection, installation, and troubleshooting.

Applications

Industrial Facilities

- Reliable power for heavy-duty equipment in manufacturing plants and warehouses.

Commercial Buildings

- Stable voltage management for large complexes and office buildings.

Residential Use

- Safe and efficient power distribution for housing complexes and apartment buildings.

Healthcare Facilities

- Ensures uninterrupted power for sensitive medical equipment in hospitals and clinics.

Renewable Energy Projects

- Ideal for converting and managing power from renewable sources like solar and wind.

Your Build Mart

Your One-Stop Shop for Construction Needs

Your Build Mart is an online platform that supplies affordable building materials for African and European markets. It offers a wide range of products, including aluminum, electrical, plumbing, fire fighting products, and more. The site emphasizes easy shipping, 24/7 support, and third-party quality certifications. It also provides logistic services to facilitate international trade and offers an agent program for businesses.

Our Vision

To revolutionize the building materials industry by setting new standards for innovation, quality, and sustainability, ensuring our customers have access to the most advanced solutions available.

Our Mission

We aim to be the most trusted partner for construction companies worldwide by providing a comprehensive range of products, timely delivery, and unmatched customer service

Transformers

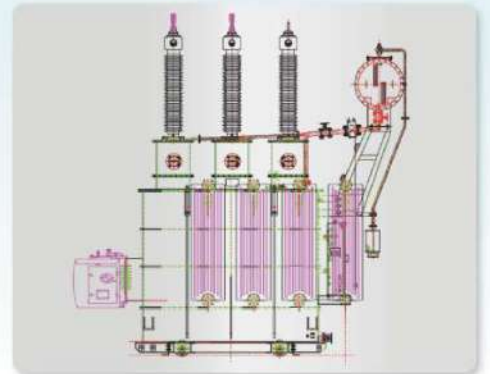
Offers a wide range of Power and Distribution Transformaers and AVR's.

POWER TRANSFORMER

A Power Transformer is used in transmission network of higher voltages for step up and step down applications. Backed by decades of experience and expertise in transformers, ABC has developed a comprehensive range of Power and Extra High Voltage Transformers. These products are engineered to perfection and are developed using qualitative raw material and advanced manufacturing facilities and techniques.

Technical Specifications

Ratings	- Upto 50 MVA (50, 000 kVA)
Voltage Class	- 33 , 66 , 100 , 110 , 132 kV (Other as Required)
Applicable Standards	- IS2026 , IEC 60076, ANSI IEEE
Cooling	- ONAN, ONAF - Oil Natural Air Forced (Other as required)
Service	- Outdoor / Indoor
Frequency	- 50Hz ,60 Hz
Vector Group	- Dyn5 / Dyn11 / YNyn0 (Other as required)
Winding Material	- Copper with Multi paper covering
Taping Range	- Off circuit and On load Tap Changers as per customer spec.
Impedance	



Standard Fittings

Earthing Terminals, Plain Oil Level Gauge, Air Release Device, Rating and Terminal Markings Plate, Silica Gel Breather, Drain cum Sampling Valve, Thermometer Pocket, Oil Filling Hole, Lifting Lugs, Explosion Vent / Pressure relief Device , Conservator with oil filling hole, Rollers (Plain / Flange), Jacking Pads , Shut off valve, Pressed Steel Radiators (Detachable), Equalizer pipe , OTI , WTI , Marshalling Box , Buchholz Relay, MOG , Inspection Cover , Off Circuit Tap Changer.

Optional Fittings

On Load Tap Changer, RTCC Panel, Cooling Fans (in case of ONAF), Air Cell, Scada Compatible OTI & WTI , RTD for oil & Winding.

Transformers

We are committed to Design, Manufacture and Supply Transformers of agreed Quality on time.

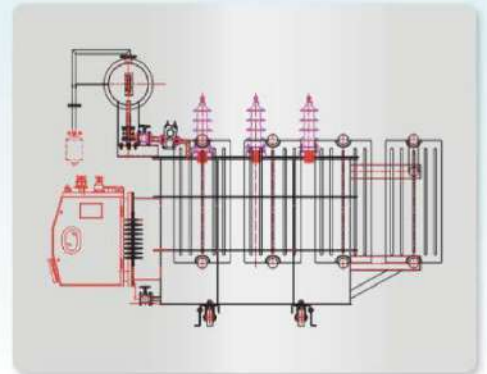
DISTRIBUTION TRANSFORMER

The final transformer in the Power distribution system that steps down the voltage to the voltage level usable at our homes / offices is called Distribution Transformer.

ABC Make Distribution Transformers are manufactured using qualitative material and tested on various parameters for efficient working life. This energy efficient and durable Transformers are capable of withstanding extreme voltage supply.

Technical Specifications

Ratings Voltage	- Upto 5000 kVA
Class	- 6.6 , 11 , 15 , 20 , 33 kV (Other as Required)
Applicable Standards	- S1180 , IS 2026, IEC 60076
Cooling	- ONAN - Oil Natural Air Natural
Service	- Outdoor / Indoor
Frequency	- 50 Hz , 60 Hz
Vector Group	- Dyn5 / Dyn11 (Other as Required) Copper
Winding Material	- Aluminium Off circuit and On load Tap
Taping Range	- Changers as per customer spec.
Impedance	- In line with applicable standards



Standard Fittings

Two Earthing Terminals , Oil Level Gauge, Air Release Device, Rating and Terminal Markings Plate, Breather, Drain cum Sampling Valve, Thermometer Pocket, Oil Filling Hole, Lifting Lugs, Explosion Vent / Pressure relief Device , Filter Valve, Arcing Horns , Off Circuit Tap Changer.

Optional Fittings

Bird Guard, Terminal Connector, OTI, WTI, Buchholz Relay, MOG, On Load Tap Changer, HT / LT Breaker, Expulsion fuse.

Transformers

Our products are designed with environmental sustainability and efficiency in mind

DRY TYPE TRANSFORMER

ABC Make dry type transformers are manufactured using F (Fiber) or H (NOMEX) class insulation with or without enclosure as per the site / client requirement. Our transformers can help you save space because we design our units so that they work more efficiently and generate less heat. Sturdily constructed using the best quality components, these transformers are also custom made as per the specifications provided by the clients. These are mainly used at Indoor locations or areas which are densely populated.

Technical Specifications

Ratings	- Up-to 2500 kVA
Voltage Class	- 3.3 , 6.6 , 11 kV Class (Other as Required)
Applicable Standards	- IS 11171, IEC60726
Cooling	- AN - Air Natural, AF - Air Forced
Service	- Indoor, IP 23 (Other as Required)
Frequency	- 50 Hz , 60 Hz
Vector Group	- Dyn5 / Dyn11 (Other as Required)
Insulation Class	- F Class / H Class as per requirement
Winding Material	- Copper / Aluminium
Taping Range	- Off circuit or On load Tap Changers as per customer spec.
Impedance	- In line with applicable standards



Salient Features & Advantages of OVDT VPI Dry Transformers

- Ease To Maintain
- No Danger Of Fire Or Explosion
- No Flammable Liquids
- Environment Friendly
- Higher Dynamic Short Circuit With Mechanical Strength
- Moisture Ingress Resistance And Immune Against Polluted Atmosphere
- Long Transformer Life Because Of Lower Thermal As Well As Dielectric Ageing
- Lower Partial Discharge
- Easy To Repair

Transformers

Say No to Voltage Fluctuations, get a SERVO

SERVO VOLTAGE STABILIZERS

Voltage stabilizers are an effective solution to voltage fluctuation problems. They are designed to current a wide range of Input Fluctuations to maintain specified output voltage. The output voltage waveform is completely distortion free and the regulation is unaffected by the load power factor.

We manufacture both, Rolling contact type voltage controllers as well as Dimmer / Variac type Servo Voltage Stabilizers. ABC make Servo Voltage Stabilizer is an elegantly designed, high quality product incorporating state of the art technology and the best available raw material to deliver accurate voltage under conditions of low, high or unbalanced voltage. They can also provide protection in situation of Single Phasing, High / Low Voltage, Over Loading and Short circuiting. Apart from the standard product, these can also be custom built to suit specific requirements.

Technical Specifications

Ratings	- Up-to 5000 kVA
Input Voltage Class	- 200-480 V , 240 – 480 V , 280 – 480 V 300-480 V , 320-480V (Other as specified)
Output Regulation	- ±1%
Cooling	- Natural Air / Oil
Acceptable Frequency	- 47-53 Hz
Correction Speed	- 9-30 V per second
Response Time	- 10ms
Efficiency	- More than 98%
Additional Facility	- Manual Operation
Waveform Distortion	- Nil
Duty Cycle	- 24 hours continuous on 100% load
Control Circuit	- Micro Controller based, Plug in Card for on-line serviceability
Control Panel	- Auto /Manual Mode Selection Switch Manual Output Voltage Adjustment Switch Output Voltage Adjustment knob ± 8 % of the seat voltage Voltmeter I/P /O/P reading Selection Switch Low /High Input Indicator Output Indicator



Self lubricating carbon roller assemblies with working life of 1 lakh track meters

Optional Protections

High / Low Cut Off, Single Phase Preventer, Reverse Phase Protection , Overload Protection, Short Circuit Protection. Bypass System

Transformers

Dependable Products for all your crucial Power Needs

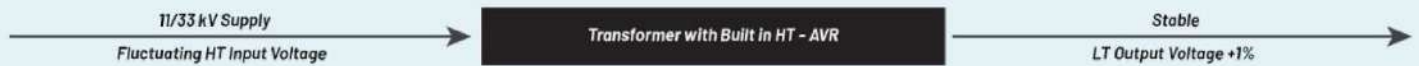
HT AVR / BUILT IN AVR

HT-AVR or High Tension-Automatic Voltage Regulators are the high-tension stabilizers that protect electrical equipment from irregularities of voltage. These voltage regulators supply a continuous and stable input voltage. We are involved in manufacturing a wide range of HT-Automatic Voltage Regulators.

HT-AVR are used to get stable input voltage, irrespective of the voltage received from electricity authorities. These regulators not only prevent electrical equipment from fluctuating and irregular Voltages but also the transformer and thus increasing its life and efficiency.



A Built in AVR is a combined unit of HT AVR and Step Down Transformer. Together it gives you stabilized LV output even when the HT voltage input is



Technical Specifications

Ratings	- Up-to 5000 kVA
Input Voltage Class	- 8-12kV , 9-12kV , 9.5-12kV , 28-35kV 32-35 kV (Other as specified)
Output Regulation	- $\pm 1\%$ or $\pm 0.5\%$
Cooling	- Natural Air / Oil
Acceptable Frequency	- 47-53 Hz
Correction Speed	- 6-18 V per second
Response Time	- 10ms
Efficiency	- More than 98%
Additional Facility	- Manual Operation
Waveform Distortion	- Nil
Duty Cycle	- 24 hours continuous on 100% load
Control Circuit	- Micro Controller based, Plug in Card for on-line serviceability
Control Panel	- Auto /Manual Mode Selection Switch Manual Output Voltage Adjustment Switch Output Voltage Adjustment knob $\pm 8\%$ of the seat Voltage Voltmeter Input /Output reading Selection Switch Low /High Input Indicator Output Indicator



Transformers

We offer Customized Products to Suit your Specific Needs

SPECIAL PURPOSE TRANSFORMERS

ABC designs and manufactures custom designed special purpose transformers to suit your specific needs. With in house design team, we have immense technical capabilities to develop any customized transformer. Few of them are listed below

Inverter Duty Transformers

These transformers are specially designed for Solar and Wind Energy Applications. These can be designed with multiple windings (3,4,5 etc) on primary side of the transformer which enables to connect multiple inverters to the grid. Earth Shield is provided between the HV & LV windings to reduce the harmonics & path to ground any residual resonance.

Furnace Transformers

We have designed these transformers specifically to withstand the exceedingly severe conditions accompanying metallurgical steel melt process. These transformers for AC Electric arc furnaces are utilized throughout the steel industry. High Secondary currents and wide range of secondary voltages are kept in mind while designing.

Convertor Duty Transformers

We offer automatic convertor duty transformers that are designed for one or more secondary windings to be connected to rectifier loads. Our convertor duty transformers are suitable for 3 Pulse / 6 Pulse / 12 Pulse / 18 Pulse drive configuration.

PSS – Packaged Sub Station

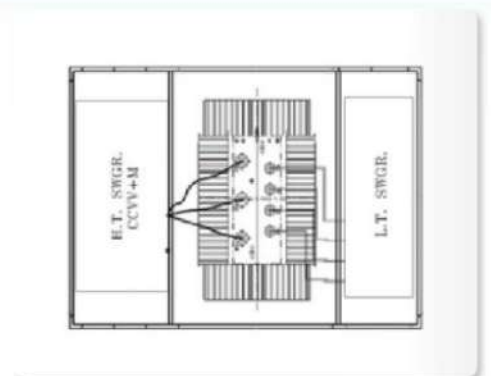
These are complete substations with compact size typically installed in locations accessible to the public and ensure protection according to specified service conditions. A PSS /CSS typically has 3 compartments: HT Compartment (RMU, VCB, Load Break Switches) , Transformer Compartment (Dry or Oil Cooled transformer) and LT Compartment (ACB, MCCB, Fuse Unit, APFC).

Isolation Transformers

Isolation transformers are mostly used for decoupling two circuits. ABC Make isolation transformer is a protection against switching power supplies, electrical noise, transverse voltage and voltage disturbances. It helps protect your sensitive equipment like CNC machines from the voltage transients, spikes / surges produced in the system.

Customized Transformers

We have the ability to offer customised products to suit client's specific needs. With in-house design and testing facilities we tailor make the transformers to cater to various applications.



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Our Vision

To revolutionize the building materials industry by setting new standards for innovation, quality, and sustainability, ensuring our customers have access to the most advanced solutions available.

Our Mission

We aim to be the most trusted partner for construction companies worldwide by providing a comprehensive range of products, timely delivery, and unmatched customer service

Our Expertise

Backed by advanced manufacturing facilities, we bring together cutting-edge technology and experienced professionals to deliver superior products. Our factories are equipped with:



5-Axis Machining Centers



CNC Vertical Turret Lathes



Automated high-volume welding and painting machines

These state-of-the-art facilities allow us to meet both standard and customized product requirements for any size project, ensuring precision and quality every step of the way.

Why YourBuildMart

At YourBuildMart, we are committed to providing you with the best building materials and home improvement products, no matter where you are in the world.



Worldwide Shipping

Whether you're across the street or across the globe, we ensure timely and reliable delivery to your doorstep.



Customer Support

Have questions or need help with your order? Our expert customer service team is available round the clock to assist you.



ISO Certified Products

We guarantee that every product meets the highest international quality standards, backed by ISO certifications you can trust.



Timely Shipping

We understand the importance of meeting project deadlines. That's why we prioritize fast and efficient shipping for every order.



Best Price in the Industry

Get top-quality materials at the most competitive prices, ensuring you always receive the best value for your investment.

Our Clients



Our Brand Partners





Let's Build Together!



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