



ADIDEVA
POWERTECH SOLUTIONS

**WHERE
POWER
BEGINS**

**HIGH & LOW AUTOMATIC
VOLTAGE TRANSFORMERS**

Upto 25 MVA, Upto 66 KV Class

www.adidevapowertech.com



ABOUT US

our company overview

Adideva Powertech Solutions is a leading name in India's power conditioning and transformer industry, renowned for its excellence and innovation. We pride ourselves on our integrity, expertise, and customer-focused approach, making Adideva a trusted partner for business worldwide.

Founded with a mission to deliver quality and innovation, Adideva has grown into a significant force in both national and international markets. Our dedication to providing cutting-edge solutions has helped us achieve global recognition while consistently setting industry standards for product reliability and performance.

Our extensive product range includes Power Transformers, Distribution Transformers, Servo Voltage Stabilizers, HT & LT Electrical Panels, Isolation Transformers, and Compact Substations, all designed to meet the highest global standards.

Each product is meticulously engineered to ensure the highest standards of quality, safety, and sustainability, helping our clients achieve optimal energy efficiency while reducing operational costs. Our expert team of engineers and technical specialists work closely with clients to understand their requirements, providing customized solutions and dedicated support from design to installation and beyond.



Piyush Gupta
Managing Partner





MISSION & VISION

➔ Mission

Our vision is to establish a distinguished presence in the global power conditioning industry by delivering high-performance solutions, including advanced transformers and servo stabilizers. Through a strategic network of partners, we aim to drive sustainable energy adoption with innovative, research-based solar technologies that align with the evolving needs of industries and economies.

➔ Vision

Our mission is to proactively address the future demands of both domestic and international markets with cutting-edge, cost-effective power solutions. We are committed to enhancing our product offerings through continuous innovation, skill development, and unwavering adherence to professional and ethical standards.

TRANSFORMERS

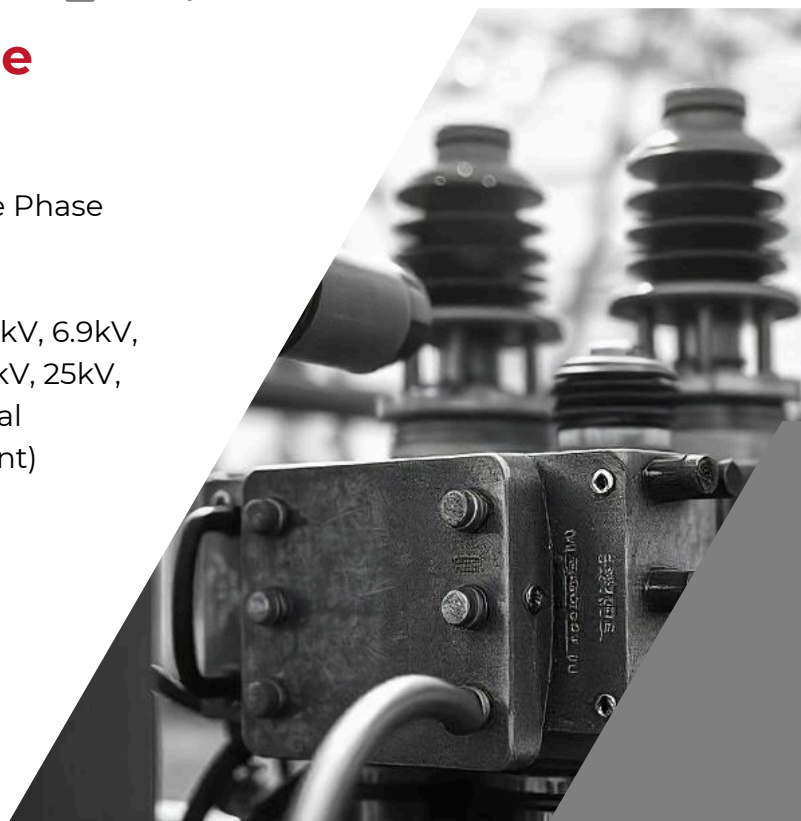
Transformers are essential for electrical energy transmission and distribution, designed based on application, power, and voltage requirements. Adideva Powertech Solutions produces high-efficiency, low-loss, star-rated transformers, available in Single Phase, Double Phase, and Three Phase models. Our products meet the latest Indian and international standards, ensuring reliable performance across a wide range of energy applications.

➔ Engineering a broad spectrum of transformers

- Power Transformers (OCTC & OLTC Type)
- Distribution Transformers (OCTC & OLTC Type)
- Hermetically Sealed Transformers
- Compact Sub Station (CSS)
- Packaged Sub Station (PSS)
- Furnace Transformers
- Station Transformers
- Auto Transformers
- Auxiliary Transformers
- Booster Transformers
- Isolation Transformers
- Ultra-Isolation Transformers
- Generator Transformers
- Special Transformers (Customized)
- Dual Ratio or Multi Winding
- Transformers Transformer with Built in HT-AVR
- Pole Mounted Transformers
- Ground (Plinth) Mounted Transformers
- Step Down Transformers
- Step Up Transformers
- Earthing Transformers
- Neutral Transformers
- Constant Voltage Transformers
- Variable Auto Transformers
- Cast Resin Dry Type Transformers (CRT)
- Vacuum Pressure Impregnated Dry
- Type Transformers (VPI)
- Trolley Mount Transformer

➔ Manufacturing Range

- Oil Immersed Type Transformers.
- Dry Type Transformers.
- Single Phase, Double Phase & Three Phase Type.
- Capacity from 25 KVA to 25 MVA.
Voltage Class : 1.1kV, 2.2kV, 3.3kV, 6.6kV, 6.9kV, 11kV, 12.47kV, 13.2kV, 13.8kV, 15kV, 22kV, 25kV, 33kV, 34.5kV, 66kV, 69kV (Any Special Customised Class as per requirement)



DESIGNING

➔ TANK

Transformer tanks can be constructed as Conventional or Corrugated types, tailored to project requirements. Conventional tanks feature MS steel components, while radiators optimize cooling. Corrugated tanks utilize CRCA and MS steel, providing hermetically sealed designs for enhanced durability and efficiency.

➔ WINDING

We utilize high-quality Electrolytic Grade Copper and ECC Grade Aluminum conductors, insulated with advanced materials such as Nomex, DPC, and TPC, capable of withstanding temperatures up to 220 °C. Our winding construction includes various types, ensuring optimal thermal and mechanical performance with enhanced cooling through effective insulation methods.

➔ TESTING

Our transformers undergo rigorous testing in our advanced in-house lab, adhering to IS:1180, IS:2026, IEC:60076 standards. We also conduct tests at NABL-accredited labs and offer third-party inspection services as per customer requirements for enhanced reliability.

➔ CORE

We utilize Cold Rolled Grain Oriented (CRGO) Silicon Steel, known as Core, in our Core Assembly. Employing high-grade, low-loss materials like M0, M3, and M5, we adhere to IS:3024, BIS, and PGCIL standards, ensuring superior performance and reduced electrical losses.

➔ TRANSFORMER OIL

Oil is essential to transformer performance, akin to blood in the human body. We utilize fresh Electrical Grade (EHV) mineral oil, rigorously tested and filtered according to IS:335, IEC:60296, BSI:148, and ASTM standards, ensuring optimal dielectric and acidic resistance.

LIST OF ACCESSORIES

Transformers are equipped with various fittings and accessories tailored to their capacity, ensuring seamless operation. Below is a comprehensive list of both standard and optional fittings and accessories available with our transformers, designed to enhance performance and reliability.

➔ Engineering a broad spectrum of transformers

- Oil Conservator with Oil Filling Hole and Drain Plug.
- Rotary Type Off Circuit Tap Changer (OCTC) with Locking Arrangement & Tap Indication.
- Porcelain Type Bare Bushing for HV & for LV Termination.
- Name, Rating & Diagram Plate.
- Explosion Vent with Diaphragm.
- Thermometer Pockets.
- Dial Type Oil Level Indicator.
- Drain cum Bottom Filter Valve.
- Skid Type Base Channels.
- Cable Box for HV Side and for LV Side.
- Uni-Directional Flat Wheels.
- Bi-Directional Flat Wheels.
- Double Floated Buchholz Relay with Alarm & Trip Contacts.
- Magnetic Oil Level Gauge with Alarm Contact.
- Weather proof Marshalling Box with IP:55 Protections.
- Pressure Relief Valve with Alarm Contact.
- Neutral CT and Bushing CT.
- CT for WTI.
- Disconnecting Chamber with Cable Box.
- Uni-Directional Flanged Wheels.
- Industrial Exhaust Fans with Radiator for Force Cooling
- Prismatic Oil Level Gauge with Minimum, Normal & Maximum Marking.
- Fixed Type or Detachable Type Pressed Steels Radiators for Natural Cooling.
- Winding Temperature Indicator with Alarm & Trip Contacts.
- Lifting Lugs.
- Monogram Plate.
- Earthing Terminals.
- Dehydrate Silica Gel Breather Assembly.
- Top cum Sampling Valve.
- Air Release Plug.
- Oil Sample Valves.
- Jacking Pads.
- Top Cover Lifting Eyes.
- Butterfly of Shut-Off Valves between the Radiators and Main Tank.
- First Filling of Fresh Mineral Oil as per IS:335.
- Oil Temperature Indicator with Alarm & Trip Contacts.
- On Load Tap Changer (OLTC).
- RTCC Panel for OLTC.
- AVR for OLTC.



WHY ADIDEVA?

We are dedicated to setting industry benchmarks in power conditioning solutions through our unmatched expertise. We pride ourselves on delivering cost-effective, high-performance solutions globally. Our commitment to excellence is demonstrated through:



- Decades of trusted experience in power conditioning.
- Transparent, customer-focused operations.
- A renowned and respected Indian brand.
- Your satisfaction is our top priority.
- Economical, cost-effective designs tailored to your needs.
- Compliance with the latest Indian and international standards.
- Durable, heavy-duty products designed for longevity.
- Energy-efficient technologies with low electricity consumption.
- Assurance of superior quality and expert craftsmanship.
- Fast, responsive services.
- High-efficiency, energy-saving techniques.
- Products successfully type-tested ensuring exceptional performance and reliability.

POWER TRANSFORMER

Adideva Powertech Solutions delivers high-performance power transformers with capacities up to 25 MVA and primary/secondary voltages up to 66kV. Our transformers are designed for maximum efficiency, low energy consumption, and compliance with State Electricity Board standards. These oil-immersed transformers are built to last approximately 30 years, ensuring durability and reliability in demanding applications. We also offer Nitrogen Infused Fire Protection Systems (NIFPS) for enhanced safety as per customer requirements.



➔ Applications

- Power Generation Station
- Sub Stations
- Electrical Transmission Systems
- Mining
- Hydro Power Projects
- Solar Projects
- Wind Power Projects
- Cement Plants
- Steel Plants
- Refineries
- Captive Power Projects
- EPC Projects

Range we offer

Capacity : From 1 MVA to 25 MVA.

Voltage Class : 1.1kV, 2.2kV, 3.3kV, 6.6kV, 6.9kV, 11kV, 12.47kV, 13.2kV, 13.8kV, 15kV, 22kV, 25kV, 33kV, 34.5kV, 66kV, 69kV (Any Special Customised Class as per requirement)

Cooling : ONAN, ONAF, OFAF, ONWF, OFWF

Tap Changer : OCTC, OLTC



DISTRIBUTION TRANSFORMER

Distribution transformers are essential for the final voltage transformation in power distribution, stepping down high-voltage electricity to low-voltage levels (433/250V, 415/240V, etc.) for efficient distribution. Adideva Powertech Solutions offers distribution transformers up to 10 MVA capacity and 66kV, BIS-certified, star-rated, energy-efficient, and low-loss, ensuring reliable and cost-effective performance in diverse power distribution applications.

➔ Applications

- Petro-Chemical Industries
- Pharmaceuticals Industries
- Textile Industries
- Plastic Industries
- Mining Industries
- Cement Industries
- Steel Industries
- Automobile Industries
- Hospitals, Hotels, & Shopping Malls
- Commercial & Residential Towers
- Heavy Industries & Many More..



Range we offer

Capacity : From 25 KVA to 25 MVA.

Voltage Class : 1.1kV, 2.2kV, 3.3kV, 6.6kV, 6.9kV, 11kV, 12.47kV, 13.2kV, 13.8kV, 15kV, 22kV, 25kV, 33kV, 34.5kV, 66kV, 69kV (Any Special Customised Class as per requirement)

Low Voltage Class : 380 V, 400 V, 415 V, 433 V & 440 V (Any Special Customised Class as per requirement)

Cooling : ONAN **Tap Charger :** OCTC, OLTC



FURNACE TRANSFORMER

Induction Furnace Transformers are critical components designed to handle the unique electrical, thermal, and mechanical stresses of induction furnace operations. These transformers convert three-phase AC voltage into DC, powering the inverter circuit that applies medium frequency (500 Hz or 1000 Hz) to the induction coil. This coil generates magnetic fields, inducing eddy currents that heat the charge efficiently. Induction Furnace Transformers are built to withstand high currents and frequent short circuits, which occur during the melting process in electric arc furnaces. Their robust design ensures reliability and durability under the extreme conditions of furnace operations, ensuring optimal performance.



➔ Applications

- Electrotherm Furnace
- Inductotherm Induction Furnace
- Submerge Arc Furnace
- Electric Arc Furnace
- Ladle Refining Furnace applications.

Range we offer

Capacity : From 250 KVA to 12.5 MVA.

Voltage Class : 433 V, 3.3 kV, 6.6 kV, 11 kV, 22 kV, 33 kV (Any Special Customised Class as per requirement).

Low Voltage Class : 400 V, 440V, 500V, 575V, 750V, 800V 1000V (Any Special Customised Class as per requirement).

Cooling : ONAN, ONAF, OFAF, ONWF, OFWF.

Tap Changer : OCTC & OLTC



COMPACT SUB STATION (CSS)

The Compact Substation (CSS), or Packaged Substation (PSS), offers a fully integrated solution combining medium voltage (MV) switchgear, transformers, and low voltage (LV) switchboards in a compact, secure enclosure. Engineered for efficient MV-to-LV energy transformation, it features three segregated compartments for enhanced safety, with lockable doors ensuring controlled access for maintenance and operation.

Pre-assembled to minimize installation time and costs, the CSS includes high-quality components, fully tested as a complete system. The MV Switchgear compartment incorporates a Ring Main Unit (RMU) and Vacuum Circuit Breaker (VCB) for reliable control. The Transformer compartment accommodates both dry and oil-type transformers up to 2500 KVA. The LV Switchboard is customizable for optimal distribution and performance.



➔ Features

- High safety for equipment and personnel with no access to live parts.
- Compact footprint meets clearance standards.
- Can be lifted with transformer installed.
- Double-door access to MV and LV compartments.

Range we offer

Capacity : 100 KVA to 2500 KVA

Voltage Class : 11kV, 22kV & 33kV (Any Special Customised Class as per requirement).

Low Voltage : 380 V, 400 V, 415 V, 433 V & 440 V (Any Special Customised Class as per requirement)

Cooling : AN, ONAN **Tap Change :** OCTC, OLTC



DRY TYPE TRANSFORMER

Cast Resin: Cast Resin dry-type transformers utilize sealed epoxy resin for insulation, eliminating the need for liquid insulation.

VPI (Vacuum Pressure Impregnated): VPI dry-type transformers feature vacuum pressure resin impregnated high-voltage windings, low-voltage windings, and an iron core for enhanced durability and efficiency.

⊕ Features

Health & safety

- Hardly inflammable, self extinguishing
- Highly moisture-proof
- No pollution to the environment
- Cooling is the most efficient (up to 40%)
- Low partial discharge, therefore, high life expectancy.
- Free from all restrictions that apply oil type transformers

Flexibility & Cost Saving

- Minimum maintenance is required
- No liquids used ; no risk for leakage
- Repair Possibilities (at site)
- Installation close to the center of major consumers
- Reduce cable & installation costs



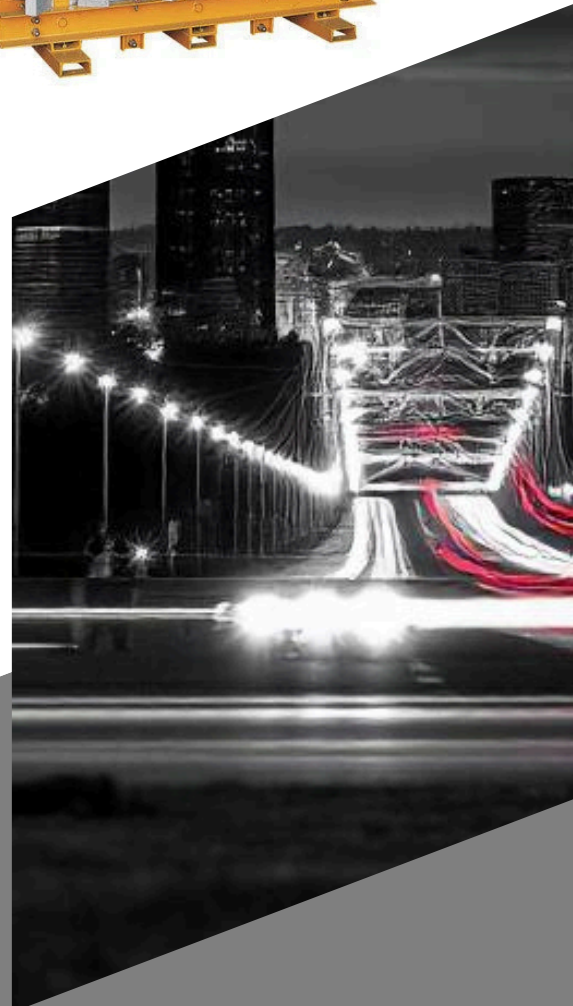
Range we offer

Capacity : From 100 KVA to 2.5 MVA

Voltage Class : 1.1kV, 2.2kV, 3.3kV, 6.6kV, 6.9kV, 11kV, 12.47kV, 13.2kV 13.8kV, 15kV, 22kV, 25kV, 33kV, 34.5kV (Any Special Customised Class as per requirement)

Low Voltage : 380 V, 400 V, 415 V, 433 V, 440 V & 600 V (Any Special Customised Class as per requirement).

Cooling : AN, ANAF **Tap Change :** OCTC & OLTC



COMPANY PRESENCE



EXPORTING in 11+ countries



TANZANIA



ZAMBIA



NIGERIA



NIGER



RWANDA



LIBIYA



ETHIOPIA



GHANA



KENYA



UGANDA



UAE



INDIA NETWORK

Head Office & Manufacturing unit: Ghaziabad
18+ States Operations

OUR PRESTIGIOUS CLIENTS



& MANY MORE...



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