



- Power & Distribution Transformers
- Compact Substations
- Servo Voltage Stabilizers
- LT & HT Panels



ABOUT US

Since inception, N R Industries has grown into a prominent manufacturer of high-performance Distribution Transformers, Power Transformer, Furnace Transformer, Dry Type Transformer HT-AVR Transformers with Built-In-AVR, Pad Mounted Transformer, Servo Voltage Transformer and Inverter Duty / Solar Power Transformer and allied products. With decades of experience in the power distribution industry, we are committed to delivering innovative, reliable, and efficient solutions that cater to diverse energy needs across industrial, commercial, and residential sectors.

Our journey began with a vision to redefine quality and service in the transformer manufacturing space. Over the years, we have achieved this by combining cutting-edge technology, a skilled workforce, and a relentless focus on customer satisfaction. From small-scale projects to large-scale industrial operations, we have consistently provided tailored solutions designed to meet specific requirements while adhering to international standards.

Our state-of-the-art manufacturing facilities and robust quality control processes ensure that every product reflects excellence in engineering and performance. With a legacy of trust and innovation, we continue to empower industries and communities, playing a pivotal role in shaping a sustainable and energy-efficient future.

At N R Industries, we focus on building enduring relationships with our clients by offering faster & on-time delivery, and exceptional after-sales support. Our team works very closely with customers to understand their unique requirements and ensuring to deliver products up to their trust and satisfaction.

WHY CHOOSE US?

Every product is precisely engineered to ensure superior performance and longevity and leverage cutting-edge technology to deliver customized solutions that meet diverse power requirements. Our transformers adhere to international standards, ensuring safety, efficiency, and reliability and team of expert engineers provides unparalleled customer service from consultation to after-sales support and committed to eco-friendly manufacturing and energy-efficient solutions.



OUR PRODUCTS & SERVICES

- Power Transformer
- Distribution Transformers
- Solar Inverter Duty Transformer
- Furnace Transformer
- Servo Voltage Stabilizer
- HT-AVR Transformers
With Built-in-AVR
- Dry Type Transformer
- Compact Substations
- HT & LT Panels
- Turnkey Projects
- Commissioning & AMC

VISION

Our vision is to make electricity and power with best quality and safety and provide proper power facilities to people around us with undisputed performance. Our company has been providing best service performance and quality from years. We have best calibration and certification for best quality products. To be a global leader in power distribution technology, setting benchmarks in quality, innovation, and sustainability, while empowering industries and communities worldwide.

INFRASTRUCTURE

Our world-class manufacturing facility is equipped with advanced machinery and testing equipment, ensuring precision and reliability in every product. We have extreme in-house testing conditions that best in class in designing and best R&D dedicate to innovation. With ISO certified standards and stringent quality checks, we ensure that our products are built to last. Our skilled workforce and well-organized logistics ensure timely delivery to clients across the globe.

Our Certification



UNITED NATIONS
GLOBAL MARKETPLACE



Power Transformers

Highly Efficient
**POWER
TRANSFORMER**
for Power Plant,
Industrial facilities,
and Electric
Utility Companies.



Introduction

Power transformers are electrical devices designed to transfer electrical power from one circuit to another without altering the frequency. They function on the principle of electromagnetic induction and are essential for transmitting power between generators and primary distribution circuits. Power transformers adjust voltage levels in distribution networks by stepping up or stepping down the voltage. Power transformers play a crucial role in reducing significant energy losses, due to Joule's effect, during the transmission of large amounts of electrical power over long distances. These transformers are commonly used in power plants, industrial facilities, and electric utility companies.

Power Range

Power Transformers available in various ratings range upto 12.5 MVA/12500 KVA & upto 33 kv class.

Features

- Cost-efficient way to transmit and isolate voltage, making them dependable and budget-friendly.
- Designed to manage the high temperatures caused by energy losses
- The Long operational lifespan with minimal maintenance required.
- Step up or step down voltages enabling efficient power transmission and distribution.
- Built with high class sturdy, robust material for better performance at harsh weather condition.

Distribution Transformers

Highly Efficient
**DISTRIBUTION
TRANSFORMER**
for Commercial &
Industrial use



Introduction

Distribution transformers are vital components in electrical power distribution networks, efficiently stepping down high voltage from power lines to a lower voltage suitable for residential, commercial, and industrial use. Designed for durability and reliability, these transformers ensure optimal energy transfer with minimal loss. They come in various capacities and configurations to meet diverse applications, offering features like robust construction, superior insulation, and enhanced thermal performance. With advancements in technology, modern distribution transformers also focus on energy efficiency and sustainability, catering to the growing demand for eco-friendly power solutions.

Power Range

Our Distribution Transformers available in various ratings range such as 11kV, 6.6kV, 3.3kV, 440V, & 230 Volts.

Features

- Highest dielectric insulation property to withstand Lightning Impulse.
- Mechanical design to withstand short circuit forces arising during faults.
- Optimum oven heating under vacuum as to achieve desired compression height and maximum insulation resistance (IR) to windings.
- Adequate ducts between layers, coils, discs for maximum oil flow and reduced hot spot temperature.
- Pre compressed Insulation material for minimal moisture absorption.

Solar Inverter Duty Transformers



Superbly Efficient
**SOLAR INVERTER
DUTY
TRANSFORMER**
designed to
integrated with
solar system.



Introduction

Solar inverter duty transformers are specialized transformers designed to integrate with solar power systems. They facilitate the efficient conversion of energy generated by solar panels into usable power by stepping up the inverter's output voltage to match grid requirements. Built to handle harmonics and fluctuations inherent in solar applications, these transformers offer features like high thermal stability, low noise levels, and robust insulation. They are crucial for ensuring grid stability and enhancing the performance and reliability of solar installations, contributing to sustainable and renewable energy solutions.

Power Range

Our Solar Inverter Duty Transformers available in various ratings range such as 100 KVA to 12500 KVA-12.5MVA

Features

- It comes with Less Voltage Variation in Solar Duty Transformer with Harmonic Content Distortion of $< 1\%$.
- Its Primary Winding ration is 2,3,4,5 and comes with Oil Filling through Oil Impregnation procedure that leads to enhanced the life industry.
- It come in Mineral Oil or Silicone Oil or as per requirement with Electrolytic Grade Copper winding.
- It has Low loss CRGO Silicon steel for core and Step lap construction & mitered joints for core designed for extreme system supply variations and ambient temperature

Furnace Transformers



Optimal Functional
**FURNACE
TRANSFORMER**
for Steel Industry,
Foundries &
Other Heavy
Industries



Introduction

Furnace transformers are specialized devices designed to power electric arc and induction furnaces used in steelmaking, foundries, and other heavy industries. Built to handle extreme electrical and thermal stress, they ensure precise voltage regulation and high current delivery. Equipped with advanced cooling systems and tap changers, these transformers offer reliable performance under varying load conditions. Their energy-efficient design minimizes losses, supporting sustainable operations while meeting the demands of energy-intensive processes. Furnace transformers are essential for achieving consistent, high-quality output in industrial heating applications.

Power Range

Furnace Transformers available in various ratings range upto 12.5 MVA/12500 KVA & upto 33 kva class.

Features

- Designed to deliver large currents required for electric arc and induction furnaces in industrial processes.
- Engineered to withstand extreme electrical and thermal stress during heavy-duty operations.
- Equipped with on-load tap changers or off-load tap changers for precise voltage control.
- Features efficient oil or water cooling mechanisms to maintain optimal performance under high load conditions.
- Minimizes power losses, ensuring reliable and cost-effective operation.

Servo Voltage Stabilizer

Highly Efficient
SERVO VOLTAGE STABILIZER
have unlimited
applications in the offices



Introduction

We are known for designing ability of oil cooled Servo Voltage Stabilizers in India. Many times it has been seen that a minor fluctuation in voltage can cause the equipment to malfunction or even break down. Servo Voltage Stabilizer prevents all this by controlling fluctuations in input voltage and providing constant output voltage. These stabilizers are designed to suit input voltage requirement of individual customers.

It has unlimited applications in the offices, commercial buildings, telecom, textile, IT industry, call centers, laboratories, hospitals, air-conditioning plants, hotels & restaurants, malls, and offset printing machines etc.

Power Range

Servo Voltage Stabilizers available in various ratings range such as 240-470V, 270-470V, 300-470V, 320-470V, 340-470V and 360-470V

Features

- High-low voltage cut-off to automatically switch off the unit when the output voltage goes above or below a certain preset voltage limit.
- Overload protection to switch off the unit when the load current value goes higher than the rated value.
- Our stabilizer has manual by-pass facility.
- Single phase prevention for 3-phase units.
- Reverse phase sequence protection for 3-phase stabilizers.
- Built-in spike suppressor and it has audio-visual alarm.

HT-AVR Transformer With Built-in-AVR

High Quality
**HT-AVR TRANSFORMER
WITH BUILT-IN-AVR**
for Hospitals, Data Centers,
Manufacturing Plant &
Commercial Buildings



Introduction

We offer precision innovative state-of-art Transformer with built-in AVR, which is combination of HT AVR and a standard distribution transformer. The fluctuating HT voltage from Grid supply is initially controlled by the HT AVR with accuracy of $\pm 1\%$ & then fed to the transformer which transforms into its standard ratio to LT voltage. Subsequently, stabilized HT voltage will result in stabilized LT voltage with an accuracy of $\pm 1\%$. Basically input will be 11/33kV & the output will be LT voltage with $\pm 1\%$ can be obtained through a single product.

Power Range

HT-AVR Transformer available in various ratings range of up to 33 kV class.

Dry Type Transformer

Ultra Efficient
DRY TYPE TRANSFORMER
for Indoor and Outdoor Application such as
Commercial Buildings, Industrial Facilities &
Renewable Energy System



Introduction

Dry type transformers are electrical transformers that use air instead of liquid for cooling, making them safer and more environmentally friendly. These transformers are ideal for indoor and outdoor applications, including commercial buildings, industrial facilities, and renewable energy systems. Built with high-quality insulation materials, dry type transformers offer excellent fire resistance, reduced maintenance needs, and a long operational life span. Their compact design and quiet operation make them suitable for installations in densely populated areas. With high efficiency and robust performance, dry type transformers are a reliable choice for energy distribution and industrial power requirements.

Power Range

Dry Type Transformers available in various ratings range such as 400 kV, 200 kV, 110 kV, 66 kV, and 33 kV.

Compact Substation



A compact substation is a pre-engineered, modular electrical distribution system that integrates transformers, switchgear, and protection devices in a single, enclosed unit. Designed for efficient space utilization, it ensures reliable power distribution and enhanced safety. Compact substations are ideal for urban, industrial, and renewable energy applications, offering quick installation, minimal maintenance, and high performance in demanding environments.

Rating Range: 3.3, 6.6, 11, 22, 33 Kv or special class by customer

HT & LT Panels



Electrical panels are essential for distributing and controlling power across various mechanical systems. Made from high-quality materials, they adhere to industrial standards and find applications in industries, commercial buildings, hospitals, and more.

The two main types are High Tension (HT) and Low Tension (LT) panels. HT panels manage electricity flow for devices and distribution boards, suitable for indoor and outdoor use. LT panels work with low-tension cables to distribute power. Ring Main Units (RMUs) are compact, gas-insulated switchgear units, widely used in ring-type networks with capacities up to 630A and 24kV.

Transformer Technical Specification

Rating	Upto 12500 KVA/12.5 MVA
Phase	Single & Three Phase
Vector Group	DYN11 or As Per Customer Demands
Cooling	ONAN (Oil Natural Air Natural)
Frequency	50Hz
Winding Material	Copper/Alumminum
Tapping Range	As per customer demands
Temperature Rise	As per Indian Standards
Losses	As per IS 1180, 2026 & Customer Demand
Fitting & Acces.	As per IS 1180 & Customer Demand
Tap Changer	Off Load/On Load Tap Changer
Voltage Class	Upto 33KV Class

Current Production Capacity for Individual Product per annum:

S.No	Rating	Production Capacity/Annum
1	25KVA	11440 NOS
2	63KVA	9500 NOS
3	100KVA	7500 NOS
4	250KVA	6000 NOS
5	630KVA	5500 NOS
6	3.15MVA	100 NOS
7	5MVA	70 NOS
8	10MVA	50 NOS

Distribution and Power Transformer Repairs

We provide best in class transformer repair service with best quality and best efficiency, we have best in class expert vision and with low repair costs which are proper value for money with best warranty. Our only aim is to provide the best and create power at best. We have the best customer reviews with awesome satisfaction.

Some of Our Valuable Credentials



and many more...

INDUSTRY WE ARE SERVING



A VIEW OF OUR PREMISES



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