



KOIRI Industries offers a comprehensive range of isolation transformers from 30KVA to 5000 KVA. We transformers provide galvanic isolation to protect against electric shock and suppress electrical noise in sensitive devices. Built with special insulation between primary and secondary windings, we ensure high voltage with stand capacity for enhanced safety and performance.



KOIRI Infosystems Pvt. Ltd.
WE ARE THE MANUFACTURER OF

**UPS | ONLINE UPS | INDUSTRIAL UPS | INDUSTRIAL
ONLINE UPS | SERVO VOLTAGE STABLIZER | CONSTANT
VOLTAGE TRANSFORMER | ISOLATION TRANSFORMER |
EVMU**

Isolation Transformer

An Isolation Transformer is a critical electrical device used to transfer electrical power from a source of alternating current (AC) power to a load while isolating the powered device from the power source. This is achieved without a direct conductive path but by electromagnetic induction through the transformer windings. It ensures protection, noise reduction, and voltage stabilization for sensitive equipment.

Key Features

Electrical Isolation: Separates primary and secondary windings to protect users and equipment from electric shocks and surges.

Noise Filtering: Minimizes electrical noise and interference, ensuring clean power delivery to sensitive equipment.

Voltage Stabilization: Helps regulate voltage levels, offering improved operational reliability.

Durable Construction: Designed with high-grade copper or aluminium windings for longevity and high efficiency.

Thermal Protection: Built-in thermal sensors to prevent overheating and improve safety.

Customizable Ratings: Available in various kVA ratings, voltage ranges, and phase configurations (Single Phase or Three Phase).

Low Magnetizing Current: Reduces inrush current, improving compatibility with sensitive devices.

Compact Design: Ideal for space-constrained installations.



Applications

Medical Equipment: Ensures safe and interference-free operation of sensitive diagnostic and monitoring systems.

Industrial Automation: Protects CNC machines, PLCs, and servo motors from electrical disturbances.

Telecommunication Equipment: Maintains signal integrity by eliminating ground loops and noise.

Data Centres & IT Infrastructure: Isolates server rooms and data racks to prevent data loss and hardware damage.

Laboratory Equipment: Provides clean and isolated power for test benches and precision instruments.

Medical Equipment

Industrial Automation

Telecommunication Equipment



Data Centres & IT Infrastructure

Laboratory Equipment

Why Koiri?

Koiri Infosystems Pvt. Ltd. stands out as a reliable and innovation-driven company in the power electronics and energy solutions sector. With a strong focus on quality, customization, and customer satisfaction, **Koiri** offers unmatched value to its clients across industries.



Trusted Brand in Power Solutions

KOIRI is a recognized name for delivering high-performance Isolation Transformers, Online UPS systems, Stabilizers, and Power Monitoring Devices backed by engineering expertise and field experience.



Superior Build Quality

All **KOIRI** products, including Isolation Transformers, are built using high-grade materials like 100% copper windings and top-tier insulation to ensure maximum durability, safety, and efficiency.



Custom-Built Solutions

Every facility has different power requirements. **KOIRI** offers fully customized transformer designs based on kVA rating, voltage range, frequency, and phase configuration—tailored to your application.



Proven Track Record

KOIRI has successfully supplied power equipment to hospitals, data centers, industries, government institutions, educational facilities, and OEMs, with long-term service contracts and repeat orders.



Competitive Pricing

While ensuring premium quality, **KOIRI** offers competitively priced solutions—making it ideal for both small enterprises and large industrial setups.

Choosing **KOIRI** means investing in reliability, performance, and long-term support. Whether it's a standard Isolation Transformer or a fully customized system, **KOIRI** delivers peace of mind through quality engineering.

Technical Specification

Description	Specification
Rating	10 TO 1000 KVA
Phase	3 Phase
Input Voltage	415 V AC +/- 10%
Output Voltage	415 V AC, 3 PHASE
Frequency	50/60 Hz
Power Factor	0.75 TO + 0.75
Efficiency	96% at 100% load
Winding Material	Copper/Aluminum
Insulation Resistance	≥50 MΩ
Electrical Strength	3000V AC/1 min
Type	Delta/Star
Cooling	Air Cooled
Noise	45-60 DB
Temperature	0-45 Deg., 90% R.H
Overvoltage	2500V AC FOR 60 SEC.
Regulation	2 TO 4% From no load to full load
Enclosure Protection Grade	IP 24
Enclosure	Enclosed in a sheet metal structure of adequate Thickness
Warranty	12 Months





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