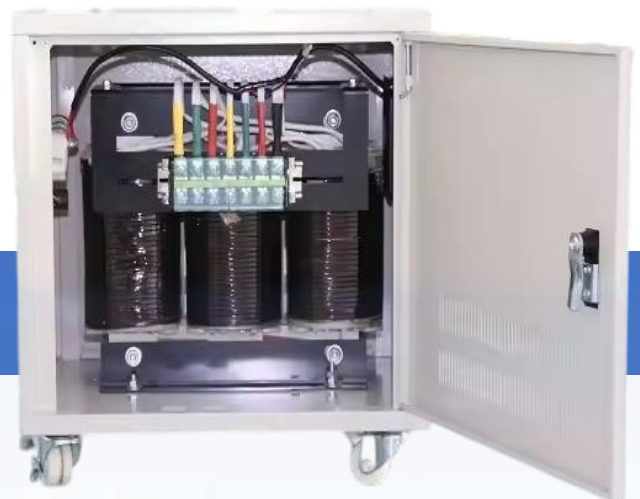


A TRUSTED MANUFACTURER OF ISOLATION TRANSFORMER

Single Phase Isolation Transformer (1 KVA- 20 KVA)

KOIRI Power Conditioning Equipment is a trusted manufacturer of advanced electrical solutions. Our isolation transformers are designed for superior protection, voltage regulation, and power quality across various industries.

KOIRI's Single Phase Isolation Transformers are engineered for critical equipment requiring high-grade isolation from mains power disturbances. Ideal for IT equipment, laboratory instruments, CNC machines, audio-video systems, and more—these compact yet powerful transformers deliver unmatched electrical isolation and noise suppression.



Key Features

- ✓ **Galvanic Isolation** – Eliminates electrical noise and avoids risk of ground loop interference.
- ✓ **Electrostatic Shielding** – Offers superior attenuation of spikes, surges, and high-frequency noise.
- ✓ **Compact Design** – Optimized footprint suitable for lab, commercial, and industrial panels.
- ✓ **High Insulation Resistance** – Ensures safe operation in sensitive environments.
- ✓ **Silent Operation** – Low-noise laminated core and precision winding design.
- ✓ **Robust Construction** – Enclosed in powder-coated steel enclosures for longer life



Applications

- ✓ **IT Equipment and Servers**
- ✓ **Medical & Lab Devices**
- ✓ **CNC & Automation Panels**
- ✓ **Audio & AV Equipment**
- ✓ **Fire Alarm & Access Control Panels**
- ✓ **Telecommunication Devices**
- ✓ **Office Printers, Scanners & Copiers**

Description	Specifications
Phase	Single phase
Capacity	1 KVA to 20 KVA
Primary Voltage	110V/ 120V/ 208V/ 220V/ 230V/ 240V (Can be Customized)
Secondary Voltage	110V/ 120V/ 208V/ 220V/ 230V/ 240V (Can be Customized)
Frequency	50Hz / 60Hz
Winding Material	Aluminium / Copper wire (Optional)
Work Efficiency	≥95%
Insulation Resistance	≥50 MΩ
Electrical Strength	2000V AC/1 min
Noise	≤35dB (1 meter)
Insulation Grade	Grade B (130°C), Grade F (155°C), Grade H (180°C)
Cooling Method	Natural air cooling
Overload Capacity	Allow more than 1.2 times rated load to work for up to 1 hour
Induced Overvoltage Withstand Test	125Hz/800V/min
Transformation Ratio	<3%
Air Carrying Current	<6%
Impedance Voltage	about 6%
Total Losses	5%
Enclosure	Enclosed in a sheet metal structure of adequate Thickness
Temperature	-15°C~+45°C
Humidity	≤90%RH, without condensation
Altitude	<2000m, non-corrosive gas and conductive dust
Enclosure Protection Grade	IP 20
Warranty	12 months

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We are Manufacture- UPS|Online UPS|Industrial UPS|Industrial Online UPS|Servo Voltage Stabilizer|EVMU|Isolation Transformer |Constant Voltage Stabilizer| Automatic Voltage Stabilizer (Linear Type)