



EDIT
ELECTRONIC

Innovative Power Solutions &
Voltage Stabilizers

ETR Catalog

ENG

ETR

Transformers



Key Features

- Copper and Aluminum Winding
- High Efficiency Sheet Core
- Varnishing under vacuum
- Oven drying at high temperature
- Strengthened isolation up to 2500V
- 1KVA-500KVA power range
- 3 Phases, 2 Phases and 1 Phase input
- Galvanic Isolation Transformer
- Supply transformers
- Voltage changing transformers

Optional Features

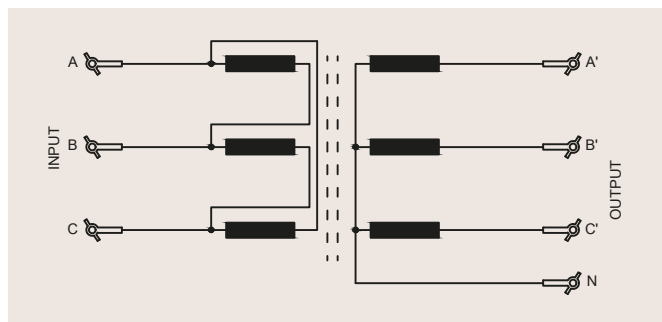
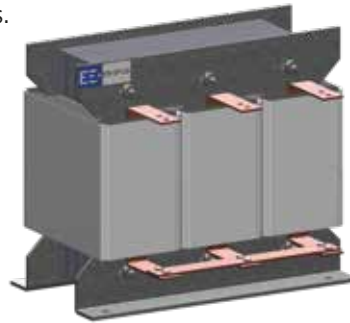
- Suitable cabinet for indoor and outdoor applications
- Input and Output Fuse Protection
- Soft-start feature
- Thermostat Controlled Fan Cooling
- Special production on order

ETR Isolation Transformers

Provide isolation between network installations and sensitive electronic loads.

Insulated aluminum or copper windings are wound on a high efficiency sheet core. ETR transformers are vacuum-impregnated varnished and high-temperature dried to ensure quiet and moisture-proof operation. It is safe and long lasting. It is designed and produced in different power, different voltage and different vector features according to customer demands.

It is produced in the power range of 1kva-500kva as single phase and three phases for industrial applications.



Voltage Changing and Supply Transformers

It is used for safe operation and voltage changing in machines or electronic devices. They are designed as double winding isolated type or single winding auto type.

Specially designed cabinet for indoor and outdoor applications. Outdoor cabinet with high protection class up to IP65 according to customer needs. Project-specific protection and display options.

Soft-Start Feature (optional)

A Soft-Start unit can be added to limit the high currents generated during initial energizing. Soft-Start circuit reduces the inrush current of the transformer by 1/3. It provides a solution for ship and yacht applications where instant high currents adversely affect electronic devices. Soft Start feature is available for cabinet option.

Please contact with sales representative for special production requests and the right solutions. 

Outdoor Type Cabinet and Protection Options

Special cabinet option with high protection class up to IP54 for special applications. Voltmeter, Ammeter and signal lamp options are offered together with the special cabinet designed according to the project needs.

Fuse and over temperature protection can be added for Input and Output side.

Applications

- ✓ Medical devices
- ✓ Uninterruptible power supplies
- ✓ Ships and shipyards
- ✓ Machine production
- ✓ Iron and steel
- ✓ Lighting

Solutions and Applications

- ✓ Galvanic Isolation
- ✓ Voltage changing
- ✓ Phase number and Vector switching

Technical Specifications

ETR Transformers	
General Features	
Power (kVA)	1KVA - 500KVA power range
Design	Open type
Vector Group	Special design for all vector groups of standard type
Core	High efficiency sheet core
Windings	Copper or Aluminum wire with fiberglass or enamel insulation
Insulation Class	F (H class is optional)
Input	
Rated Input Voltage	3Phases Model: 400VAC 3Phases+Neutral+Ground 1Phase Model: 230VAC 1Phase+Neutral+Ground (Special design in different voltages upon request for voltage changing, device supply and other special applications)
Voltage Tolerance	-%15 , +%15
Frequency	50 Hz. +/-%5 (60 Hz. Optional)
Output	
Rated Output Voltage	3Phases Model: 400VAC 3Phases+Neutral+Ground 1Phase Model: 230VAC 1Phase+Neutral+Ground (Different voltages are optional)
Short Circuit Voltage	5% (Average)
Efficiency	>90% - 98%
Optional Features	
Cabinet	Custom-designed monoblock welded cabinet between IP21 and IP54
Over-current Protection	Protection with Circuit Breaker at Input and Output (can be selected with Cabinet Option)
Over-Temperature Protection	Warning and protection with over-temperature thermostat
Display and Signals	Measurement and signaling options for voltage, current, temperature parameters (It can be selected with Cabinet Option)
Environmental Conditions	
Operating Temperature	-10 °C ~ +40 °C
Altitude Operating Height	1.500m
Humidity	90% none condensed
Protection Class	IP00



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