

GROUNDING TRANSFORMERS



ERMCO/ Pioneer manufactures Grounding Transformers with maximum primary voltages of 72.5 kV (350 kV BIL), available with auxiliary or secondary windings upon request. These specialized units provide critical system grounding where a suitable ground is otherwise unavailable, stabilizing voltage during unbalanced conditions, and limiting transient fault over-voltages.

KEY FUNCTIONS

- **Ground Path Provision** – Establishes electrical ground for systems lacking natural grounding.
- **Voltage Stabilization** – Maintains stable voltage during unbalanced load conditions or line-to-ground faults.
- **Fault Current Limitation** – Limits fault-current magnitude when integrated with Neutral Ground Resistors.
- **Over-voltage Protection** – Restricts transient fault over-voltages to protect system integrity.

FEATURES

COOLING AND CONSTRUCTION

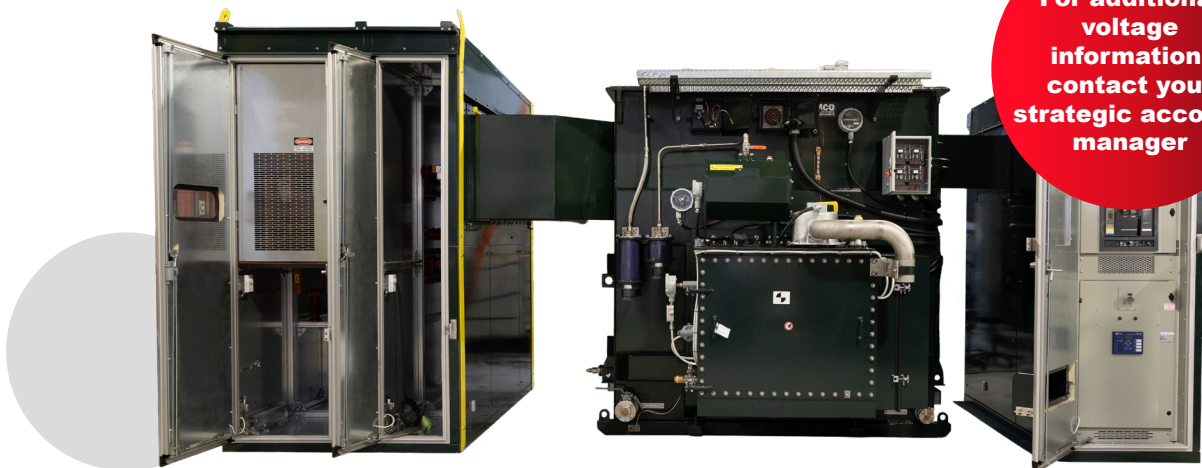
- Detachable cooling radiators with optional shut-off valves
- Galvanized radiators for corrosion resistance
- Substation-type or tamper-proof designs
- High thermal capacity for momentary fault currents

ELECTRICAL AND PROTECTION

- Primary, secondary, and neutral current transformers
- Neutral grounding resistor integration on request
- High fire-point liquids (FR3, Silicone, Beta Fluid)
- Cover or wall-mounted bushings with terminal chamber

CONFIGURATIONS

- Zig-Zag (Zn) – With or without auxiliary windings; preferred for compact size and cost efficiency
- Wye (YNynd) – with delta-connected tertiary winding for specialized applications
- For specialized applications; Neutral Ground Resistors may be integrated for fault-current management.



**For additional
voltage
information,
contact your
strategic account
manager**

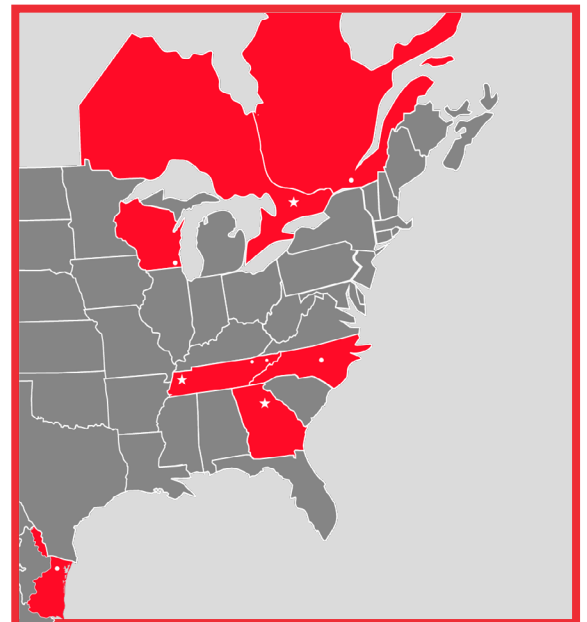
TECHNICAL SPECIFICATIONS

Parameter	Details
Primary Voltage	Up to 72.5 kV (350 kV BIL)
Frequency	50 Hz / 60 Hz
Configuration	Zig-Zag (Zn) or Wye-Delta (YNynd)
Auxiliary/Secondary	Optional
BIL Rating	Up to 4.16 kV
Temperature Rise	55°C / 65°C
Cooling/Fluid	Mineral Oil, FR3, Midel 1204, Midel 7131 Synthetic
Standards	CSA, IEEE

**Engineered
 for Reliability.
 Manufactured
 for Powerful
 Performance**

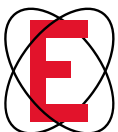


ERMCO Enterprise Location Map



Need help choosing the right transformer?
 Visit our website to explore our interactive map
 and connect with a strategic account manager
 in your state.

<https://www.ermco-eci.com/contact-us/>



PIONEER TRANSFORMERS

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