

prolec®



Single-Phase Pad-Mounted Transformers



Prolec GE manufactures a comprehensive range of single-phase pad-mounted distribution transformers. These transformers are specifically designed to meet the requirements of modern underground residential applications, providing a combination of essential features, high performance, and aesthetic considerations.

Our commitment to delivering reliable and cost-effective transformer solutions aligned with our customer's needs is backed by the integration of state-of-the-art technology in our design and manufacturing processes. Our ISO-9001 certified processes and quality assurance programs ensure the highest standards throughout the entire manufacturing process.

Product scope / Standard features

- Rating:
 - 10, 15, 25, 37.5, 50, 75, 100, 167 kVA.
- High Voltage:
 - 4,160 GrdY/2,400 to 34,500 GrdY/19,920 or 2,400 to 19,920 (Dual voltages available).
 - BIL: 60 kV to 150 kV.
- Low Voltage:
 - 240/120 to 480/240 and 277.
- Meets or exceeds applicable ANSI, NEMA, and RUS standards, including IEEE C57.12.00, C57.12.28 and C57.12.38 (enclosure integrity and finishing systems).
- Crowned tank top to prevent water retention.
- Removable flip-top hood opens 180° for easy access with stainless steel hinge pins.
- Externally clamped high-voltage bushing wells for loop feed or radial feed operation.
- Externally clamped low-voltage threaded stud bushings.
- Automatic relief device for internal pressures.
- Penta-head security bolt with padlock provision (Hexa-head bolt available).
- Externally clamped low-voltage bushings.
- Tank ground provisions.
- Silicon steel core.



Optional features

- High-voltage no load tap changer.
- Dual high-voltage ratings (not available with taps).
- Complete stainless steel tank and cabinet or combination of components with mild steel and stainless steel.
- High-voltage, load-break 2 or 4 positions or sectionalizing switch.
- Multiple fusing options and combinations, including internal and external expulsion fuse in series with isolation link or partial range current limiting fuse.
- Low-voltage circuit breaker.
- Under oil arrester.
- Drain valve with sampling device.
- Hold-down cleats.
- Connectors for ground pads.
- Stencils and labels according to customer needs.
- Magnex™.
- NEMA safety labels.
- Certification available.
- Amorphous core.

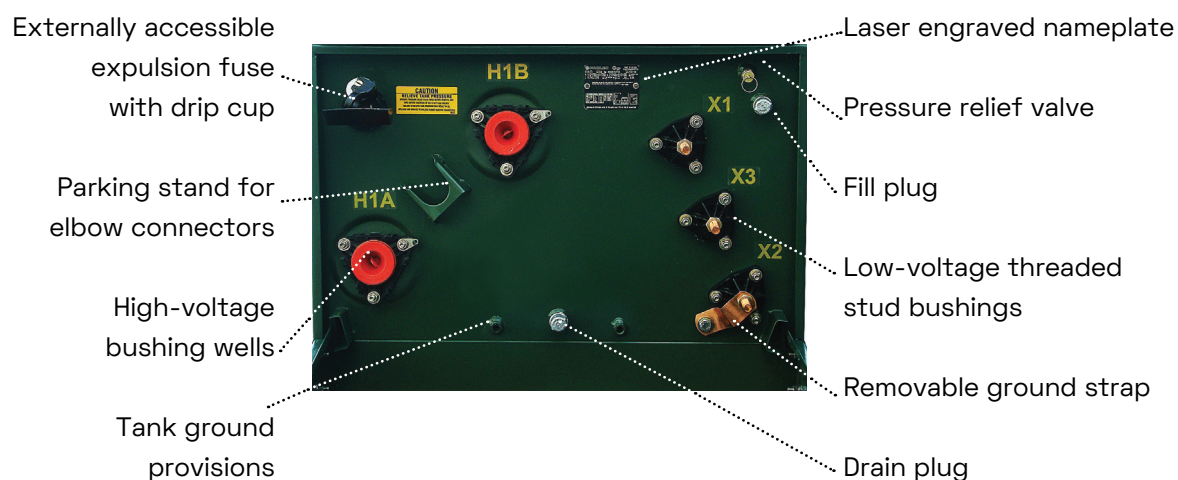


Tests

All transformers are tested in strict accordance with the latest revision of applicable ANSI™, IEEE™, NEMA, and RUS with test reports available by serial number of the transformer.

Routine tests are:

- Polarity and phase relation.
- Resistance.
- No-load losses and excitation current.
- Load losses and impedance.
- Applied voltage.
- Induced voltage.
- Full wave impulse.
- Ratio test.
- Leak test.






Designed to provide
the features and
performance for
modern underground
residential
applications

ANSI Type I

Prolec GE's ANSI Type I transformers meet ANSI C57.12.38 Type I standard requirements, offering tamper-resistant features and accessibility. It allows straight-through cables configuration with only a small increase in height. This transformer is available in 10 kVA through 167 kVA with the same broad range of voltages and optional accessories.

ANSI Type II

Prolec GE ANSI Type II transformers meet ANSI C57.12.38 Type II standard requirements for crossover cable configuration. These transformers feature a loop feed and two bushing dead-front primary design. Ratings are 10 kVA through 167 kVA single-phase, 34.5 kV GrdY and below. Standard voltage ratings, as well as dual voltages, are available.



Prolec GE pad-mounted transformers are designed for single-phase residential underground applications where aesthetics and size are important



LOCATIONS

MEXICO

APODACA

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