



Single-Phase Pad-Mounted Transformers



Prolec GE manufactures a complete line of single-phase pad-mounted distribution transformers designed to provide the features, performance and aesthetics needed for modern underground residential applications.

We utilize state-of-the-art technology in our design and manufacturing systems, supported by our ISO-9001 certified processes and quality assurance programs.

Standard features

- Meets or exceeds applicable ANSI, NEMA, and RUS standards, including ANSI 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)
- NEMA safety labels
- Externally clamped low-voltage bushings
- Tank ground provisions
- Laser engraved aluminum nameplate
- Oil fill/level top plug and bottom drain plug

- Recessed tank bottom
- Electrostatically applied polyester powder paint system with urethane top coat for superior corrosion protection
- Removable sill

Optional features & accessories

- Broad selection of design efficiencies to meet specific customer applications and new DOE minimum requirements
- 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 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™

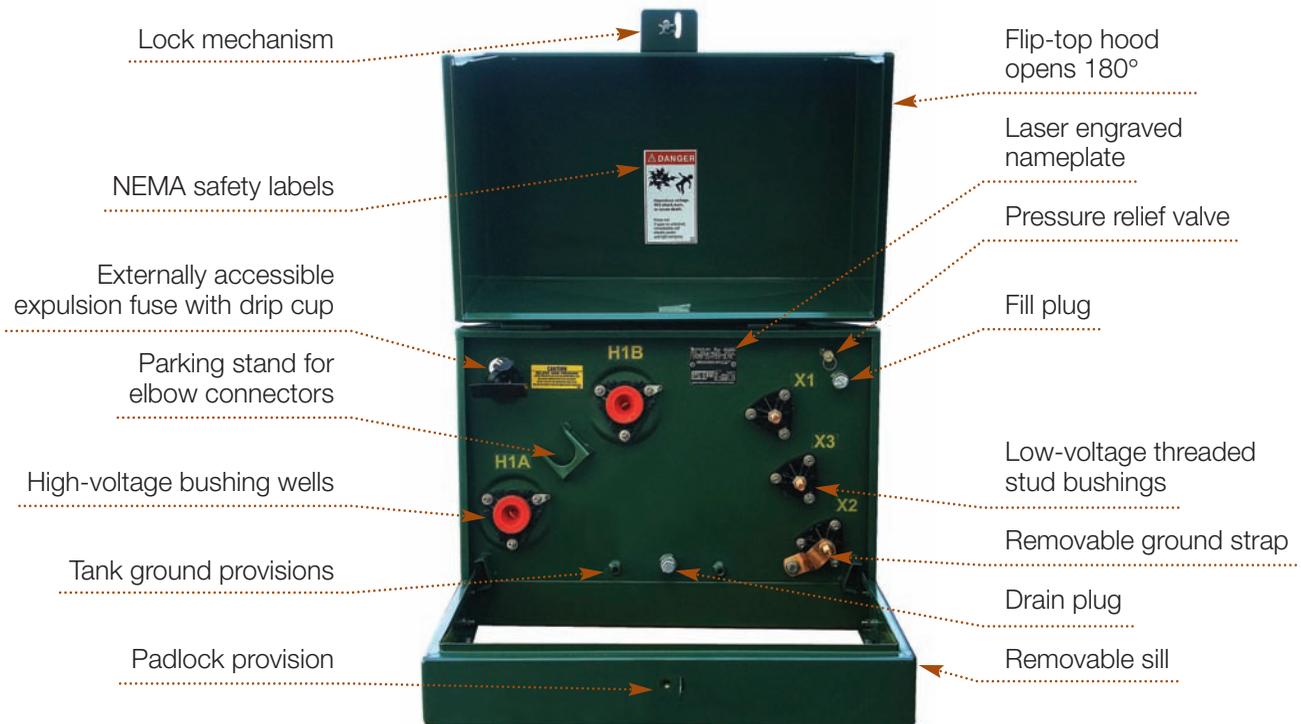
(For optional accessories or features not listed above, please contact your GE sales representative).

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



Mini-Pad (ANSI Type II)

Prolec GE's Mini-Pad transformers are designed for single-phase residential underground applications where aesthetics and size are important. They meet all applicable ANSI Standard C57.12.38 Type II requirements for cross-cable configuration. Transformers feature loop feed two bushing dead-front primary designs. Ratings are 10 kVA through 167 kVA single-phase, 34.5 kV GrdY and below. Standard voltage ratings as well as dual voltages are offered.

Maxi-Pad (ANSI Type I)

Prolec GE's Maxi-Pad transformers offer the same tamper-resistant features and accessibility as the Mini-Pad transformer while allowing straight cable configuration with only a small increase in height. The Maxi-Pad is available in 10 kVA through 167 kVA with the same broad range of voltages and optional accessories as the Mini-Pad. This product meets ANSI Standard C57.12.38 Type I requirements.

Standard sizes and voltages

- kVA: 10, 15, 25, 37.5, 50, 75, 100, 167
- HV ratings: 4160GrdY/2400 to 34500GrdY/19920 or 2400 to 19920 (Dual voltages available)
- BIL: 60 kV to 150 kV
- LV ratings: 240/120 and 480/240

Please contact your GE sales representative for kVA sizes and voltage ratings not listed.

Standards and certifications available

