

# 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.

## Product scope / Standard features

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- Rating
  - 10, 15, 25, 37.5, 50, 75, 100, 167 kVA
- High Voltage
  - 4160 GrdY/2400 to 34500 GrdY/19920 or 2400 to 19920 (Dual voltajes available)
  - BIL: 60 kV to 150 kV
- Low Voltage
  - 240/120 and 480/240
- 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
- Broad selection of design efficiencies to meet specific customer applications and new DOE minimum requirements

## Optional features

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- 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™
- Certification available



(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 ANSITM, IEEEETM, 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)

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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)

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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.



For more information contact your local GE Sales Representative  
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