

SINGLE-PHASE

Pad-Mounted Transformers

Grid Solutions at GE Vernova 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, C57.12.25 and C57.12.28 (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.

Tests

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

Routine tests include:

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



Optional Features and 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.

For optional accessories or features not listed above, please contact your Grid Solutions sales representative.



GE VERNOVA



Mini-Pad (ANSI Type II)

Our mini-pad transformers are designed for single-phase residential underground applications where aesthetics and size are important. They meet all applicable ANSI Standard C57.12.25 Type II requirements for cross-cable configuration. Transformers feature loopfeed 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 II)

Our 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 C57.12.25 Type I requirements.



Available Sizes and Voltages

kVA	HV RATINGS	BIL	LV RATINGS
10	4160Grd/2400 to 34500 GrdY/19920 or 2400 to 19920 Dual voltages available	60 kV to 150 kV	240/120 480/240
15			
25			
37.5			
50			
75			
100			
167			

For more information, visit
[gevernova.com/grid-solutions](https://www.gevernova.com/grid-solutions)