




Single-Phase Pole-Mounted Distribution Transformer

Engineered for Performance. Built for the Grid.

Products Built Beyond Standards

**Discover Transformers and Components Built
to Keep Your Community Powered.**

We ensure that families and businesses have the power they need. Every ERMCO Distribution Transformer and Component is engineered for lasting performance and proven reliability to keep the world powered in even the toughest conditions.



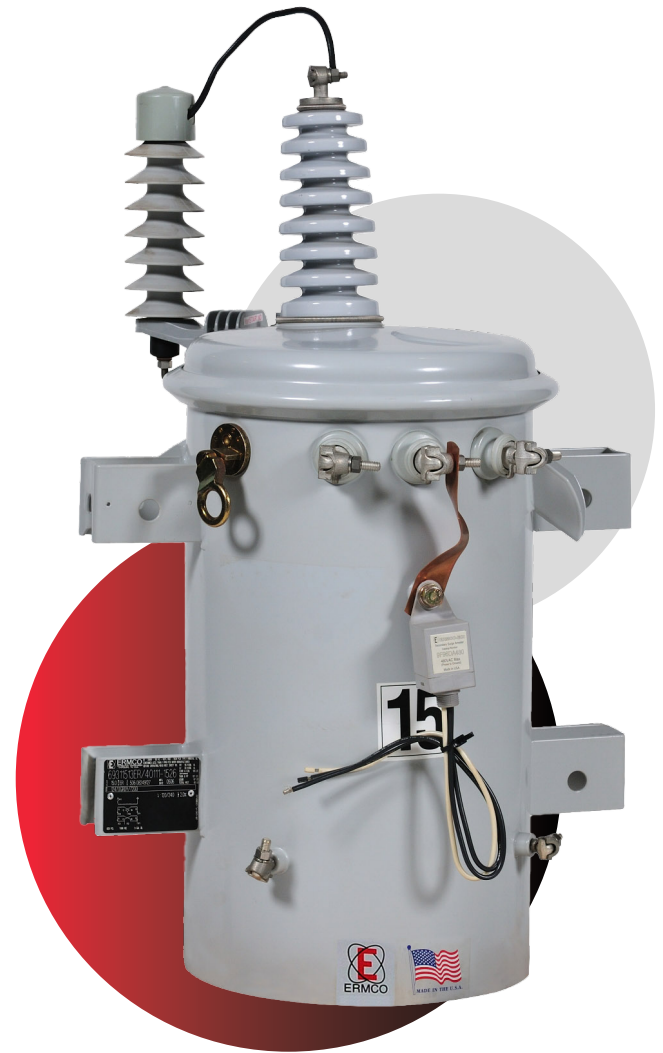
With unparalleled build quality and customer support, see why customers worldwide partner with ERMCO when it matters most.

ERMCO's Single-Phase Pole-Mounted distribution transformers are designed and manufactured in compliance with all applicable IEEE and RUS standards. All transformers are oil-filled, 65°C rise, and designed for usual service conditions per IEEE C57.12.20.

Types of Single-Phase Pole-Mounted Transformers

- ERMCO pole-mounted transformers are categorized by type and class.
- Type identifies the protection of the transformer.
- Class identifies the number of high voltage bushings, mounting positions, and lightning arresters when required.

| Class | # H.V. Bushings | # Hanger Brackets |
|-------|-----------------|-------------------|
| A | 2 | 1 |
| B1 | 2 | 1 |
| B2 | - | 1 |
| B3 | - | 2 |



| Type | Class | # Lightning Arresters | # Weak Link Fuse | #External Flipper Fuse | #L.V. Breaker |
|----------|------------|-----------------------|------------------|------------------------|---------------|
| Conv. | All | 0 | 0 | 0 | 0 |
| CSP | A | 2 | 2 | 0 | 1 |
| CSP | B1 | 1 | 2 | 0 | 1 |
| CSP | B2, B3 | 1 | 1 | 0 | 1 |
| CP | A, B1 | 0 | 2 | 0 | 1 |
| SP | A | 1 | 1 | 0 | 0 |
| SP | B1, B2, B3 | 1 | 1 | 0 | 0 |
| SP Combo | B2, B3 | 1 | 0 | 1 | 0 |

Product Features



Tanks:

- External welds are 100% coverage for added strength and corrosion withstand.
- Lift ears allow sling lifting while the unit is still banded to the pallet
- Tank bottom weld is recessed for added protection.

Bushings:

- Secured with grip nuts for uniform pressure.
- Tightened with torque wrenches for consistent leak-free performance.
- Gaskets made of nitrile rubber for long life.

Corrosion Protection:

- Paint finish exceeds all IEEE requirements, including 160in-lb impact, 2000-hour salt spray, 1000-hours QUV, and 20-cycle SCAB.
- Cover band hardware is non-corrosive.
- A “coastal” tank is available with 304 stainless threaded pads, lift ears, and hardware.
- A complete 304L stainless vessel is available for severe corrosive environments.



Built to Higher Standards with a Durable Powder-Coat Finish for Lasting

| kVA | H.V. | BIL (kV) | L.V. |
|-------|-------|------------|---------|
| 1/2 | 2400 | 60 | 120/240 |
| 1 | 4160 | 75 | 240/480 |
| 1 1/2 | 4800 | 95 | 277 |
| 3 | 7200 | 95 | |
| 5 | 7620 | 95 | |
| 7.5 | 7970 | 95 | |
| 10 | 11400 | 95 or 125 | |
| 15 | 12000 | 95 or 125 | |
| 25 | 13200 | 95 or 125 | |
| 37.5 | 13800 | 95 or 125 | |
| 50 | 14400 | 125 | |
| 75 | 19920 | 125 or 150 | |
| 100 | | | |
| 167 | | | |
| 250 | | | |
| 333 | | | |
| 500 | | | |

kVA and Standard Voltage Offerings

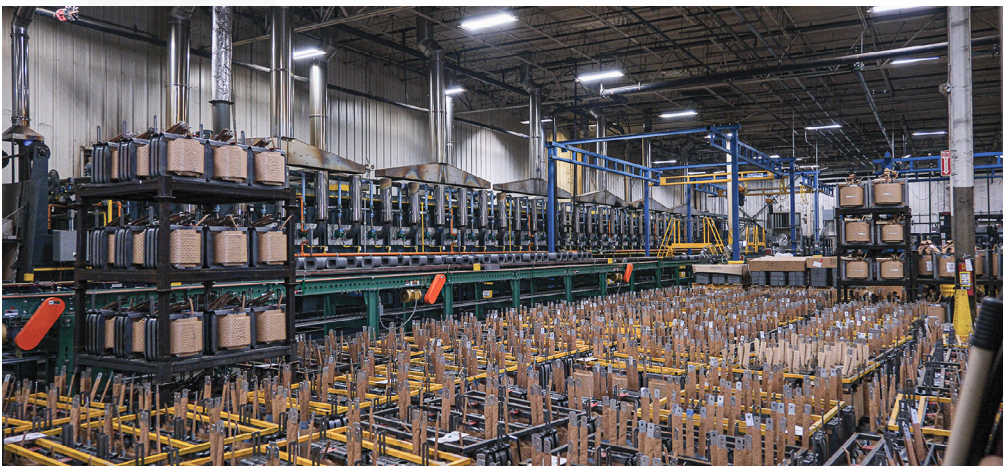
- All standard tap configurations available.
- Dual voltage available in most combinations.
- Dual voltage with taps in series position only.
- Dual voltage: Highest BIL applies to both voltages.
- Additional voltages may be available; consult with factory.
- Impedance and loss options available in most designs.

Product Range

| Types Offered | CONV | CSP | CP | SP |
|---------------|--------------|--------------|--------------|--------------|
| kVA Ratings | ½-500 | 5-167 | 5-167 | ½-500 |
| High Voltage | 2.4-19.9 kV | 2.4-19.9 kV | 2.4-19.9 kV | 2.4-19.9 kV |
| BIL | 150 kV (max) | 150 kV (max) | 150 kV (max) | 150 kV (max) |
| Low Voltage | 600 V (max) | 600 V (max) | 600 V (max) | 600 V (max) |

Optional Product Accessories

| Accessory | Default Standard | Available |
|---------------------|---|---|
| H.V. Fuse | Weak Link | External flipper kit, under oil CL |
| L.V. Breaker | Thermal Trip <25 kVA Mag & Thermal >37.5 kVA | Magnetic & thermal trip 25 kVA, emergency overload, signal light |
| Arrester | Polymer Direct Connect Normal Duty Metal Oxide | Polymer, normal or heavy duty, can be brand specific, under oil MOV, LV surge arrester |
| Wildlife Protection | 3 kV Insulated Cover | 10 kV or 15 kV cover, birdguards |
| H.V. Bushings | Porcelain Eyebolt | Extra creep porcelain, handwheel Anti-Tracking Device |
| L.V. Bushings | Polymer: Eyebolt 1/2 - 100 kVA Spade 167 - 500 kVA | Porcelain Variety of eyebolts Variety of spades |
| Markings | kVA Decal | Generic or customer specific decals, bar codes, stenciling customer stock codes, serial numbering, and other markings |
| Taps/Dual Voltage | External Cap Wrench Handle | External lever handle or hook stick handle, dual voltage with taps in series position only. |



**A Full
Product Range
for Your
Grid.**

Quality and Reliability

- All electrical testing is per IEEE standards.
- Many other tests are made for control purposes, such as core loop loss and exciting current, coil ratio and polarity, oil properties, and multiple oil leak checks.
- ERMCO is an ISO9001 certified company.

Warranty

- 3-year warranty on CSP.
- 2-year warranty on Conventional.
- Coverage includes round-trip transportation between the purchaser's shipping dock and the repair facility.



**Built for
Life on
the Line.**

| Optional Equipment | CONV | CSP | CP | SP |
|------------------------------------|------|-----|----|----|
| H.V. Taps | ● | ● | ● | ● |
| Dual Voltage | ● | ● | ● | ● |
| Internal Expulsion Fuse Link | | ● | ● | |
| External CL Fuse | ● | ● | ● | ● |
| Internal CL Fuse | ● | ● | ● | ● |
| Secondary Circuit Breaker | | ● | ● | |
| Under Oil MOV Arrester | ● | ● | ● | ● |
| External Arrester | ● | ● | ● | ● |

