

SINGLE PHASE PAD-MOUNTED TRANSFORMERS

Secure Underground Distribution for Utility, Commercial, and Residential Applications.

OMEX single-phase pad-mounted transformers are engineered for secure outdoor distribution where compact ground-level construction, tamper resistance, and dependable service are required. Available in standard and project-specific configurations, with application engineering support and complete submittal documentation.



Phase
Single Phase

Rating
15-167 kVA

Project Specific
Configuration
up-to 225 kVA avl

Primary Voltage
**Common 2.4 kV
through 14.4 kV**



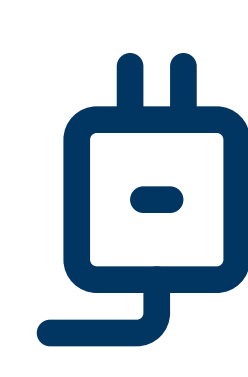
Tamper Resistant Design

Rugged, all-weather enclosures with secure, lockable compartments.



Fluid & Winding Options

Mineral oil or FR3 fluid options with aluminum or copper windings.



Separable Connector Interface

Dead-front design for safe, reliable operation and easy installation.



OMEX Support

Application engineering, responsive technical support, and complete submittal documentation

Key Benefits

- ✓ Compact, secure pad-mounted construction
- ✓ Meets DOE 2016 efficiency requirements
- ✓ Designed for utility, residential, and light commercial distribution
- ✓ Application-driven options for taps, fluid, switching, and accessories
- ✓ Built for dependable outdoor service

Standards & Compliance



IEEE
C57.12.34



IEEE
C57.12.28



DOE 2016



UL Available



Specifications

Phase	Single Phase
Standard rating range	15, 25, 37.5, 50, 75, 100, and 167 kVA
Project-specific ratings	up-to 225 kVA available
Primary voltage	Common 2.4 kV through 14.4 kV distribution voltages
Secondary voltage	120/240 V split-phase; selected 2-wire alternate outputs by project
Frequency	60Hz
Feed arrangement	Radial or loop feed
HV interface	Dead-front separable insulated connectors
LV terminations	Paddle/spade or lug-connector bushings
Windings	Aluminum standard; copper optional
Tank material	Reinforced carbon steel / mild steel standard; stainless steel optional
Insulating fluid	Type II non-PCB mineral oil standard; FR3 natural ester optional
Cooling	Reinforced carbon steel / mild steel standard; stainless steel optional
Temperature rise	Type II non-PCB mineral oil standard; FR3 natural ester optional
Taps / voltage options	Reinforced carbon steel / mild steel standard; stainless steel optional
BIL / impedance	Type II non-PCB mineral oil standard; FR3 natural ester optional
Efficiency	Reinforced carbon steel / mild steel standard; stainless steel optional

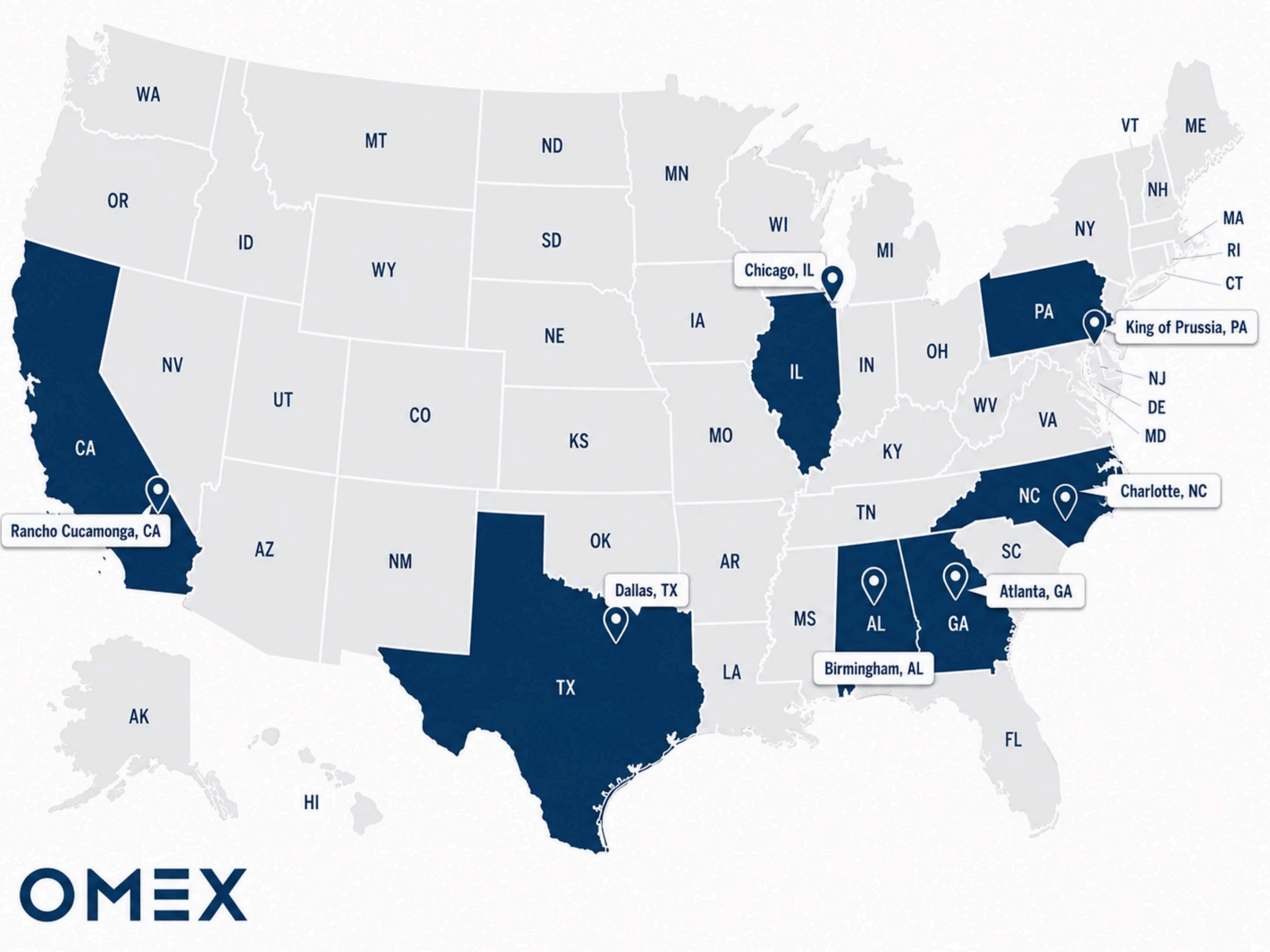
Typical Front Compartment Layout



Available Accessories

- ✓ Bay-O-Net fuse with drip shield
- ✓ On-off high-voltage switch
- ✓ Backup current-limiting fuse(internal)
- ✓ Surge arresters
- ✓ High-voltage taps
- ✓ Dual-voltage designs
- ✓ FR3 natural ester fluid
- ✓ Copper windings
- ✓ Stainless steel tank
- ✓ Removable stud bushing wells
- ✓ Nitrogen blanket / gauge package
- ✓ Customer and project-specific accessory packages

Applications



OMEX



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Scan the QR code to learn more about our complete transformer portfolio.

For the Ones // Powering America