

SUBSTATION TRANSFORMERS

**High-Capacity Power Transformation
for Utility, Industrial and
Infrastructure Applications**

OMEX substations transformers are purpose-built, liquid-filled, high-capacity transformers for utility, industrial, renewable and infrastructure power systems. Engineered for reliable performance and long service life, our transformers support grid interconnection, substations and demanding power distribution applications.



Up to
150 MVA
High-Capacity Ratings

Work Voltage Range
11 kV-132 kV
Class

Global Frequency
Compatibility
50/60 Hz

Tailored to your
Application
Project-Specific



Utility & Grid Support

Reliable power for
substations & grid
interconnection



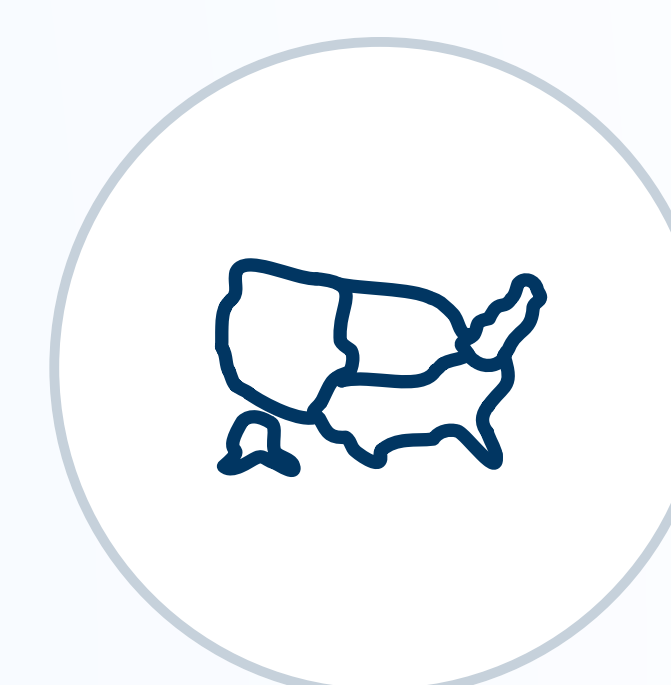
Custom Engineered

Designed for your voltage,
impedance, & cooling
requirements



Liquid-fluid Performance

Proven, robust design for
demanding environments



Nationwide Support

Responsive sales and
engineering support
across U.S.

Key Benefits

- ✓ Built for utility, industrial, and infrastructure power systems
- ✓ Project-specific voltage, impedance, BIL, and cooling selections
- ✓ OLTC or NLTC configurations available
- ✓ Factory-tested for dependable field performance
- ✓ Designed for long service life and maintainability

Standards & Compliance



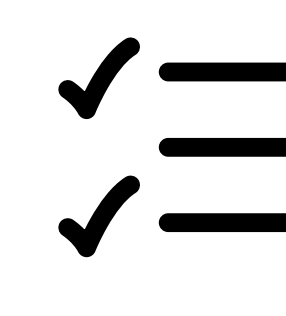
**ANSI/
IEEE**



**IEC
60076**



**ISO
9001-2015**



**Factory
Routine
Tests**



Specifications

Type	Three-Phase Liquid-Filled Substation Transformer
Rating	Up to 150 MVA
Voltage Class	11 kV to 132 kV
Frequency	50 / 60 Hz
Cooling	ONAN / ONAF / OFAF (project-specific)
Insulating Liquid	Mineral Oil; Natural Ester available by project
Winding Material	Copper or Aluminum
Tap Arrangement	OLTC or NLTC
Vector Group	Project-specific
BIL / Impedance	Project-specific
Installation	Outdoor Substation Duty
Standards	ANSI / IEEE, IEC 60076

Available Accessories

- ✓ On-Load Tap Charger (OLTC)
 - ✓ No-Load/Off-Circuit Tap Charger (NLTC)
 - ✓ Radiators & detachable cooling banks
 - ✓ Cooling fans & oil pumps
 - ✓ Conservator & dehydrating breather
 - ✓ Buchholz relay and pressure relieved device
- ✓ Oil Level, oil temperature & winding temperature indicators
 - ✓ RTDs, CTs and monitoring provisions
 - ✓ Marshalling box and control cabinet
 - ✓ Drain, filter and sampling valves
 - ✓ Surge arresters
 - ✓ Neutral grounding provisions

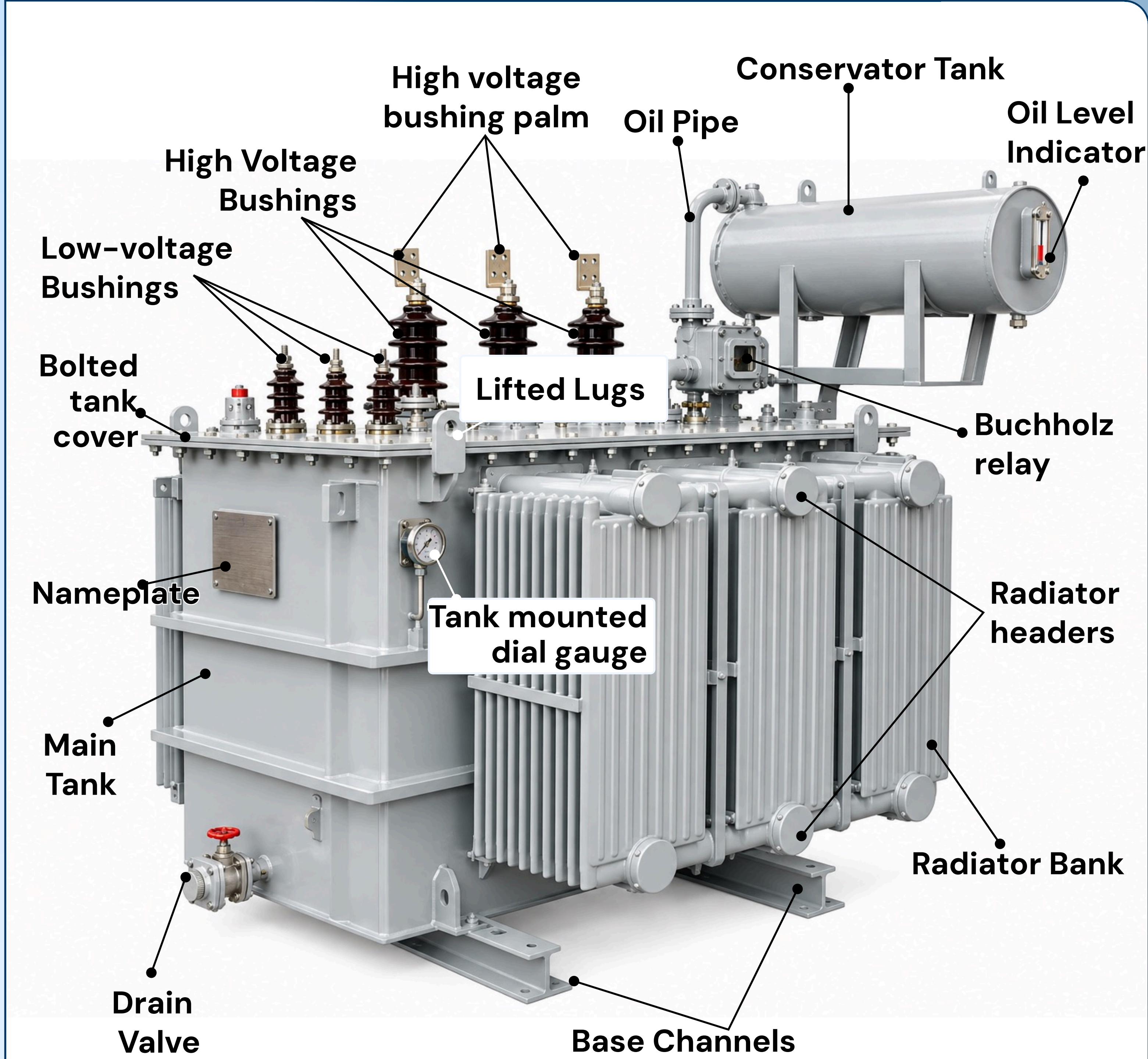
Project Support/Documentation



- ✓ Project-specific design review and engineering support
- ✓ GA drawings, nameplate data, and connection documentation
- ✓ Factory routine test reports and inspection support
- ✓ Coordination for shipping, installation, and commissioning
- ✓ Responsive OMEX sales and engineering assistance

**Typical capabilities shown. Final ratings and features are subject to the approved project submittal.*

Typical Transformer Construction



Applications

Utilities & Power generation

Industrial Manufacturing

Renewable Energy

Data Centers

Oil & Gas

Transportation & Mining



Explore **OMEX** Transformers

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

For the Ones // Powering America