



**PRECISION SUPPLY SIMPLIFIED**

# Power and Distribution Transformers

**500 kVA - 100 MVA | Up to 138 kV Class**



[eacglobalinc.com](http://eacglobalinc.com)

## Standard Configurations

<b>Ratings</b>	500 kVA - 100 MVA
<b>Primary voltage</b>	Up to 138 kV Class
<b>Secondary voltage</b>	Custom per application
<b>BIL levels</b>	As per IEEE C57 insulation class
<b>Frequency</b>	60Hz   50Hz
<b>Cooling classes</b>	ONAN (standard)
<b>Core material</b>	Grain-oriented silicon steel
<b>Windings</b>	Copper or aluminum

<b>Oil</b>	Mineral oil or FR3 natural ester
<b>Temperature rise</b>	55°C   65°C   55/65°C
<b>Impedance</b>	per IEEE C57.12 or custom
<b>Tap changer</b>	External off-load tap changer
<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE C57.12.00      • CSA C88</li> <li>• IEEE C57.12.90      • NEMA TR-1</li> </ul>
<b>Certification</b>	CSA / cULus / Special inspection

## Standard Features

<b>Monitoring &amp; Protection</b>	<ul style="list-style-type: none"> <li>Liquid level gauge</li> <li>Liquid temperature gauge</li> <li>Pressure relief device</li> <li>Grounding pads</li> </ul>
<b>Electrical</b>	<ul style="list-style-type: none"> <li>HV &amp; LV bushings</li> <li>External off-load tap changer</li> <li>Mineral insulating oil</li> </ul>
<b>Mechanical</b>	<ul style="list-style-type: none"> <li>Seal welded tank per IEEE C57</li> <li>Laser engraved stainless nameplate</li> <li>Drain valve and oil sampling device</li> </ul>

## Optional Features

Electrostatic shielding
Padlockable cabinet
Current and voltage monitoring transducers
Instruments wired to NEMA 4X junction box
Lightning arrestors
Surge protection
Cooling classes ONAF/KNAN/KNAF optional

Winding temperature indicators
Pressure rise relay
Stainless tank and cabinet
2-year spare parts
Start-up and commissioning service
2-year extended warranty

**EAC Global** supplies transformers with a strong emphasis on engineering verification, documentation, and quality oversight. Transformers are manufactured by qualified partners operating under ISO-9001 quality systems and undergo defined inspection and testing procedures.

<b>Quality processes may include:</b>
Factory Inspection & Test Plans (ITP)
Factory Acceptance Testing (FAT)
Witness testing available
Material traceability documentation
Oil dielectric and insulation testing



<b>Typical tests (per IEEE C57.12.90)</b>
Ratio and polarity tests
Winding resistance tests
Insulation resistance tests
Applied potential test
Induced potential test
Impedance and load loss tests

<b>Optional tests may include:</b>
Temperature rise tests
Sound level tests
Lightning impulse tests

**Utility substations | Data centers | Renewable energy projects |  
Industrial facilities | Mining & oil & gas operations |  
Power generation facilities**



**+1-403-768-2269**  
[sales@eacglobalinc.com](mailto:sales@eacglobalinc.com)

[eacglobalinc.com](http://eacglobalinc.com)