ETAC Service & Supply Inc.
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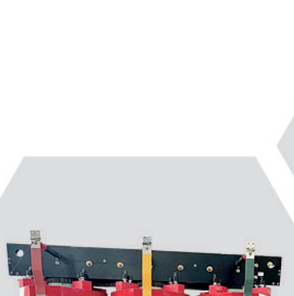


WE BUILD TRANSFORMERS

TRANSFORM YOUR POWER NEEDS

WHO ARE WE?

ETAC, situated in the heart of Canada in Winnipeg, is a premier manufacturer of electrical equipment. Our expertise encompasses low, medium, and high voltage transformers, switchgear, HV circuit breakers, generators, and more. As a one-stop solution provider, we offer comprehensive services, from consulting, design to production, commissioning. Our team serves industries, including utility, mining, agriculture, and construction, delivering high-quality, customized solutions to meet your electrical needs.

1000+

1000+ Configurations Of Transformers Available

500,000

Transformer Ranging From 5kVA Up To 500,000 kVA

12

12 Weeks Delivery Time For Transformers

220

Primary Voltage Ratings Up to 220 kV

4000A

Power Distributions Support Configurations Up To 4000A

80+

Engineers with 80+ years of combined experience

FEATURED PRODUCTS

1PH Pad mount Transformer

3PH Pad mount Transformer

316 Stainless Steel Transformer

Dry Type Transformer

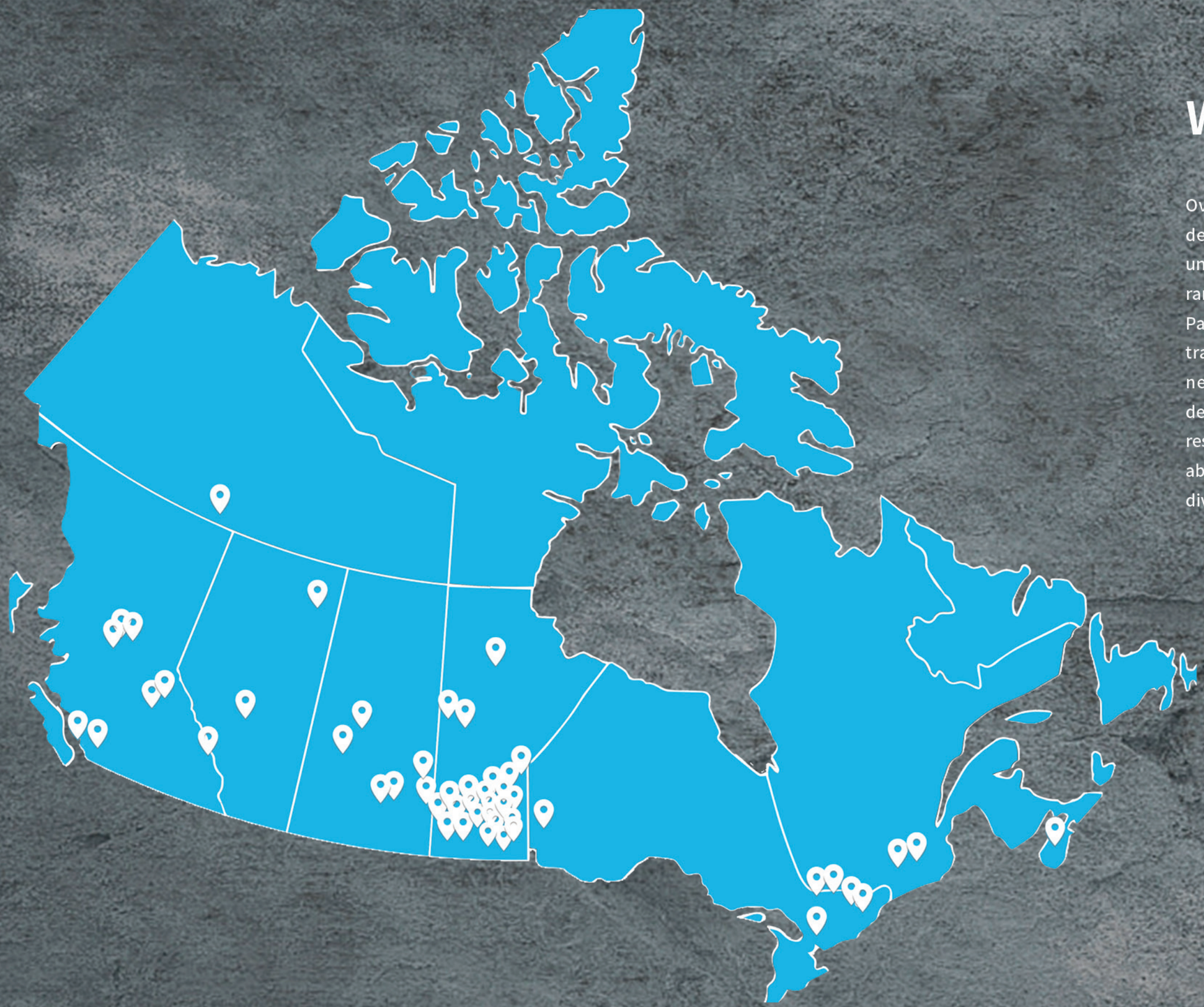
Dead Front HV Substation Transformer

Visible Break Transformer

Substation Transformer

Polemount Transformer

Power Distribution



WHAT WE DID

Over the past three years, we have successfully delivered more than 60 projects and nearly 200 units of equipment across Canada, spanning a wide range of applications. Our product lineup included Padmount, Substation, Dry Type, and Polemount transformers, each designed to meet the specific needs of our clients. These transformers were deployed in various sectors, including agriculture, residential, industrial, and utilities, showcasing our ability to provide reliable and efficient solutions to diverse market segments.

OUR ACHIEVEMENTS

2.5MVA Distribution Transformer,
Manitoba, June 2024

500kVA Padmount Transformer,
Manitoba, July 2025

500kVA Distribution Transformer,
Ontario, April 2025

500kVA Visible Break Transformer,
Airport, December 2024

1200A Switchboard,
Manitoba, June 2023

Dry Type Transformers for Utility,
Saskatchewan, December 2023

10MVA 66kV Dead Front Transformer,
Manitoba, September 2025

750kVA FR3 Loop Feed Transformer,
Manitoba, May 2025

10/13.33MVA Substation Transformer,
Manitoba, February 2025

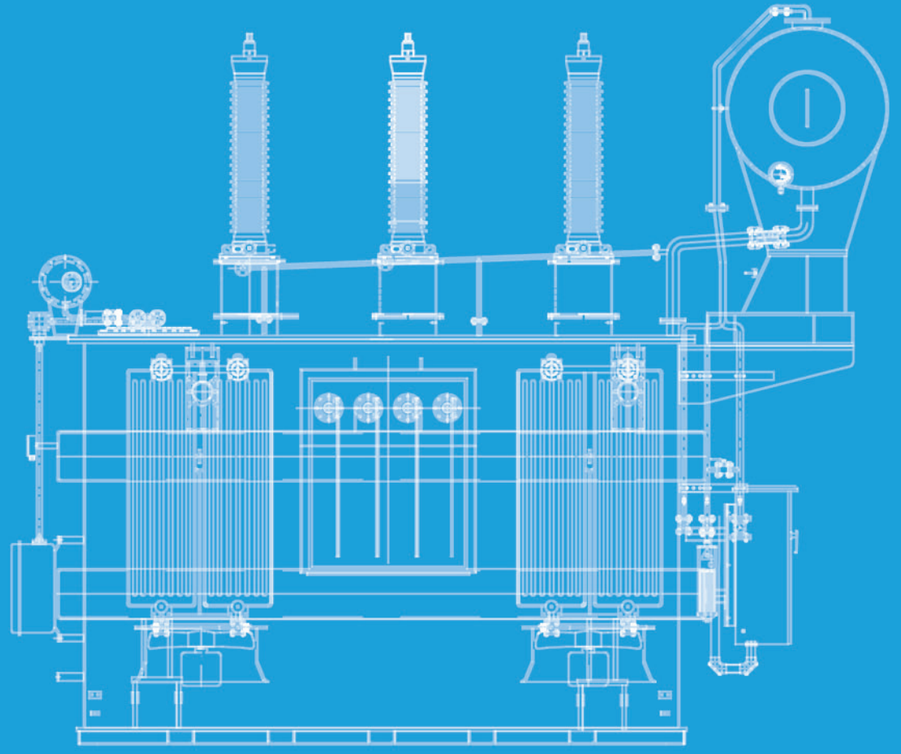
1 PH 333KVA Polemount Transformers,
Ontario, May 2025

750kVA Visible Break Transformer & 800A Panel,
Winnipeg, June 2025

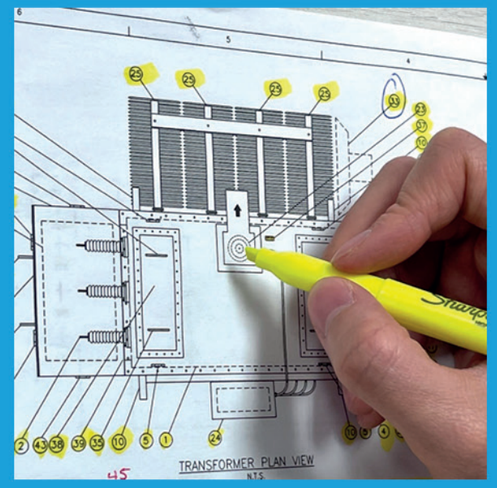
2.5MVA Industrial Power Transformers,
Quebec, August 2025

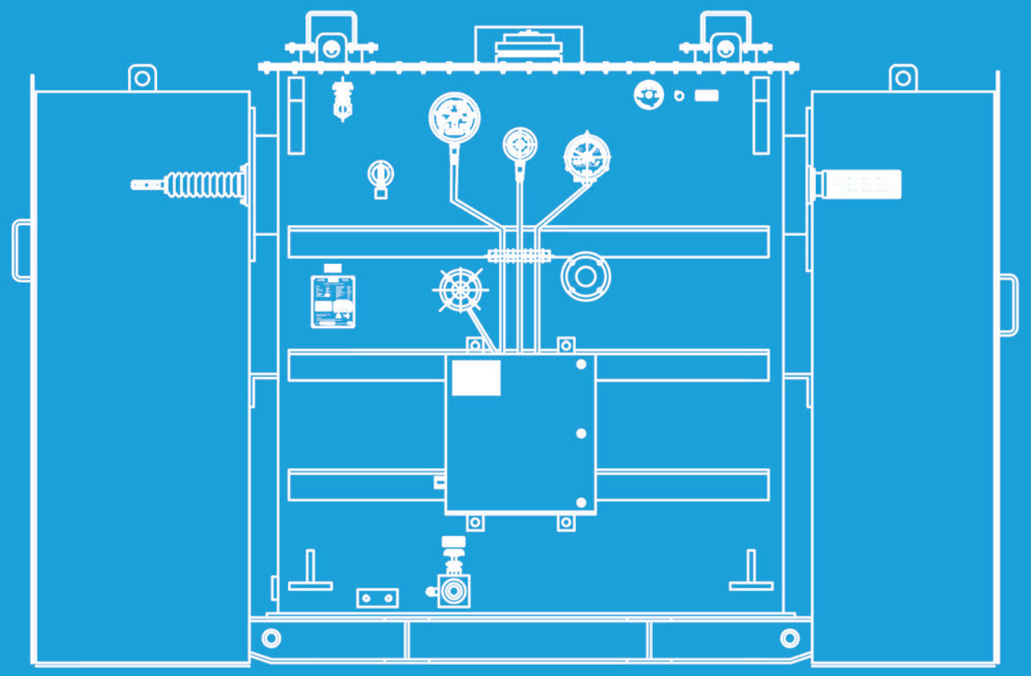
HOW WE CUSTOMIZE

At ETAC, we take pride in our expertise in designing and customizing distribution and substation transformers to meet a wide range of application requirements and operating conditions.
Our team of skilled engineers works closely with clients to analyze load profiles, system impedances, physical dimensions, protection and monitoring devices, and bushing clearances, ensuring that each transformer is engineered to integrate seamlessly into its intended application.



Customization goes beyond adjusting basic specifications. It involves a complete design process that includes defining bushing configurations, selecting cooling methods, sizing the transformer to match load behavior, and ensuring full compliance with CSA and IEEE standards.
At ETAC, we combine technical precision with practical insight to deliver transformers that are optimized for long-term reliability, overall safety, and efficiency under varying load and environmental conditions.





THREE-PHASE PAD MOUNTED TRANSFORMER

Current Lead Time Is Less Than 16 Weeks

12 Months (Up to 3 Years) Warranty

Certifications
UL Listed Canada and USA

Specifications

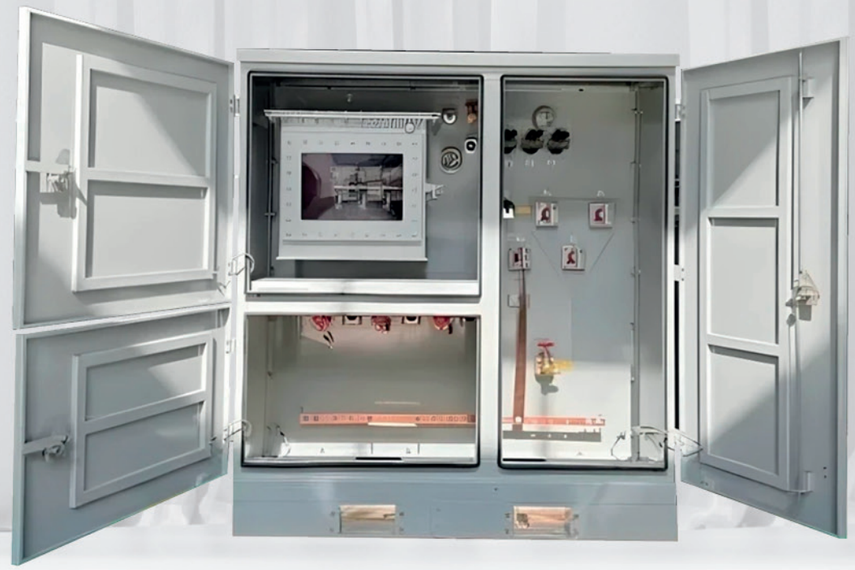
Category	Item	Data
General	Power Ratings (kVA)	75, 150, 225, 300, 500, 750, 1000, 1500, 2000, 2500, and 3000
	High Voltage	4.16kV to 34.5kV
	Low Voltage	600Y/347, 480Y/277, 208Y/120
	Impedance	As per C802.1-23
	Temperature rise	65° C Rise
	Cooling	ONAN, KNAN
	Fluids	Type II non-PCB Mineral oil, Envirotemp (FR3)
	Winding	Copper or Aluminum
	Feed	Radial or Loop
	Color	Munsell 4.82G 4.07/3.35 or Munsell 9GY 1.5/2.6.
Terminations	Primary	Loadbreak or Deadbreak Bushing Wells
	Secondary	Spade Terminals
Applicable Standards	CSA C227.4	Three-phase, pad-mounted distribution transformers
	CSA C802.1-23	Minimum Efficiency Values for Liquid Filled Distribution Transformers
Fittings and Gauges	Pressure relief valve	Dial type
	Pressure vacuum gauge	Dial type
	Liquid temperature gauge	Dial type
	Liquid level gauge	Dial type
	Drain & sample valve	1''
	Tap Changer	5 position off-circuit
	Fill Valve	1''
Overcurrent Protection	ELSP Current Limiting	Partial-Range Backup Current-Limiting Fuses
	Bay-O-Net	Bay-O-Net Cartridge Fuses
Optional Accessories	Dual Voltage	Dual voltage primary with selector switch
	NGR	Upon Request
	Load Break Switch	Upon Request
	Temperature Rise	55°C Rise
Notes	Three-phase pad mounted Transformers greater than 3000kVA are built to standard CSA C88 complete with tamper proof construction to IEEE C57.12.28	

VISIBLE LOAD BREAK TRANSFORMER

Current Lead Time Is Less Than 16 Weeks

12 Months (Up to 3 Years) Warranty

Certifications
UL Listed Canada and USA



Specifications

Category	Item	Data
General	Power Ratings (kVA)	75, 150, 225, 300, 500, 750, 1000, 1500, 2000, 2500, and 3000
	High Voltage	4.16kV to 34.5kV
	Low Voltage	600Y/347, 480Y/277, 208Y/120
	Impedance	As per C802.1-23
	Temperature rise	65° C Rise
	Cooling	ONAN, KNAN
	Fluids	Type II non-PCB Mineral oil, Envirotemp (FR3)
	Winding	Copper or Aluminum
	Feed	Radial or Loop
	Color	ANSI 61 Grey or Munsell Green 9GY 1.5/2.6
	Load Break Switch	2 or 4 postion
Terminations	Primary	Loadbreak or Deadbreak Bushing Wells
	Secondary	Spade Terminals
Applicable Standards	CSA C227.4	Three-phase, pad-mounted distribution transformers
	CSA C802.1-23	Minimum Efficiency Values for Liquid Filled Distribution Transformers
Fittings and Gauges	Pressure relief valve	Dial type
	Pressure vacuum gauge	Dial type
	Liquid temperature gauge	Dial type
	Liquid level gauge	Dial type
	Drain & sample valve	1"
	Tap Changer	5 position off-circuit
	Fill Valve	1"
Overcurrent Protection	ELSP Current Limiting	Partial-Range Backup Current-Limiting Fuses
	Bay-O-Net	Bay-O-Net Cartridge Fuses
Optional Accessories	Dual Voltage	Dual voltage primary with selector switch
	Temperature Rise	55°C Rise
Notes	The ETAC Visible Load Break Transformer, built to CSA and IEEE standards, saves time by facilitating maintenance and creating operational flexibility.	

SINGLE-PHASE PAD MOUNTED TRANSFORMER

Current Lead Time Is Less Than 16 Weeks

12 Months (Up to 3 Years) Warranty

Certifications
UL Listed Canada and USA

Specifications

Category	Item	Data
General	Power Ratings (kVA)	10, 25, 50, 75, 100, and 167
	High Voltage	2.4kV to 19.92kV
	Low Voltage	600Y/347, 480Y/277, 208Y/120
	Impedance	As per C802.1-23
	Temperature rise	65° C Rise
	Cooling	ONAN, KNAN
	Fluids	Type II non-PCB Mineral oil, Envirotemp (FR3)
	Winding	Copper or Aluminum
	Feed	Radial or Loop
	Color	Munsell 4.82G4.07/3.35 or Munsell 9GY 1.5/2.6.
Terminations	Primary	Deadbreak or Loabreak Bushing Wells
	Secondary	Spade Terminals
Applicable Standards	CSA C227.3	Single-phase, pad-mounted distribution transformers
	CSA C802.1-23	Minimum Efficiency Values for Liquid Filled Distribution Transformers
Fittings and Gauges	Drain & sample valve	1''
	Tap Changer	5 position off-circuit
	Fill Valve	1''
Overcurrent Protection	ELSP Current Limiting	Partial-Range Backup Current-Limiting Fuse
	Bay-O-Net	Bay-O-Net Cartridge Fuse
Optional Accessories	Dual Voltage	Dual voltage primary with selector switch
	NGR	Upon Request
	Load Break Switch	Upon Request
	Temperature Rise	55°C Rise
Notes	Single-Phase Pad-Mounted Transformer meet or exceeds CSA, ANSI, NEMA, DOE Energy Efficiency and IEEE standards.	

THREE-PHASE SUBSTATION TRANSFORMER

Current Lead Time Is 22-30 Weeks

12 Months (Up to 3 Years) Warranty

Certifications approved for use in Canda, as per CSA SPE-1000

Specifications

Category	Item	Data
General	Power Ratings (kVA)	300kVA to 10MVA
	High Voltage	4.16kV to 34.5kV
	Low Voltage	Up to 4.16kV
	Impedance	As per C802.3-15
	Temperature rise	65° C Rise
	Cooling	ONAN, ONAF, KNAN, KNAF
	Fluids	Mineral oil, Envirotemp (FR3)
	Winding	Copper or Aluminum
	Paint Finish	Ansi 70 Grey, Munsell RBG 7.0/0.4
Terminations	Primary	Partial or Full Air Terminal Chamber or Throat, Spade Terminals or Loadbreak Bushing Wells
	Secondary	Partial or Full Air Terminal Chamber or Throat, Spade Terminals
Applicable Standards	CSA C88:16	Power Transformers and Reactors
	C802.3-15	Minimum Efficiency for Power Transformers
Fittings and Gauges	Pressure relief valve	Dial type
	Pressure vacuum gauge	Dial type
	Liquid temperature gauge	Dial type
	Liquid level gauge	Dial type
	Drain & sample valve	1''
	Tap Changer	5 position off-circuit
	Fill Valve	1''
Customizable Options	Dual Voltage	Dual voltage primary with selector switch
	NGR	Upon Request
	Surge Arresters	Upon Request
	Large Pressure Relief Device	Upon request
	Sudden Pressure Relay	For base ratings above 7.5 MVA
	Winding Temperature Gauge	For base ratings above 7.5 MVA
	Seal-In Relay	c/w Sudden Pressure Relay
	Tank Construction	316 Stainless Steel
	Temperature Rise	55°C Rise

DEAD FRONT HIGH VOLTAGE SUBSTATION TRANSFORMER

Current Lead Time Is 22-30 Weeks

12 Months (Up to 3 Years) Warranty

Certifications by CSA SPE-1000 for use in Canada

Specifications

Category	Item	Data
General	Power Ratings	3000kVA up to 20MVA
	High Voltage	44kV, 66kV, 115kV, 138kV
	Low Voltage	600V to 138kV
	Impedance	As per C802.3-15
	Temperature rise	65° C Rise
	Cooling	ONAN, KNAN
	Fluids	Mineral oil, Envirotemp (FR3)
	Winding	Copper or Aluminum
	Feed	Radial or Loop
Terminations	Primary	Deadbreak Bushing
	Secondary	Deadbreak Bushing
Applicable Standards	CSA C88:16 (w/ C227.4 Style)	Power Transformers and Reactors
	C802.3-15	Minimum Efficiency for Power Transformers
Fittings and Gauges	Pressure relief valve	Dial type
	Pressure vacuum gauge	Dial type
	Liquid temperature gauge	Dial type
	Liquid level gauge	Dial type
	Drain & sample valve	2"
	Tap Changer	5 position off-circuit
	Fill Valve	1"
	Winding Temperature	Dial type
	Transformer Monitoring Module	User-configured and customizable
Optional Accessories	Dual Voltage	Dual voltage primary with selector switch
	NGR	Upon Request
	Provision for DGA	Upon Request
	Temperature Rise	55°C Rise

316 STAINLESS STEEL TRANSFORMER

Current Lead Time Is 22-30 Weeks

12 Months (Up to 3 Years) Warranty

Certifications approved for use in Canda, as per CSA SPE-1000

Specifications

Category	Item	Data
General	Power Ratings	300kVA to 10MVA
	High Voltage	4.16kV to 34.5kV
	Low Voltage	Up to 4.16kV
	Impedance	As per C802.3-15
	Temperature rise	65° C Rise
	Cooling	ONAN, ONAF, KNAN, KNAF
	Fluids	Mineral oil, Envirotemp (FR3)
	Winding	Copper or Aluminum
	Paint Finish	Ansi 70 Grey, Munsell RBG 7.0/0.4
	Tank Construction	316 Stainless Steel
Terminations	Primary	Partial or Full Air Terminal Chamber or Throat, Spade Terminals
	Secondary	Partial or Full Air Terminal Chamber or Throat, Spade Terminals
Applicable Standards	CSA C88:16	Power Transformers and Reactors
	C802.3-15	Minimum Efficiency for Power Transformers
Fittings and Gauges	Pressure relief valve	Dial type
	Pressure vacuum gauge	Dial type
	Liquid temperature gauge	Dial type
	Liquid level gauge	Dial type
	Drain & sample valve	1''
	Tap Changer	5 position off-circuit
	Fill Valve	1''
Customizable Options	Dual Voltage	Dual voltage primary with selector switch
	NGR	Upon Request
	Surge Arresters	Upon Request
	Large Pressure Relief Device	Upon Request
	Sudden Pressure Relay	For base ratings above 7.5 MVA
	Winding Temperature Gauge	For base ratings above 7.5 MVA
	Seal-In Relay	c/w Sudden Pressure Relay

HIGH VOLTAGE SUBSTATION TRANSFORMER

Current Lead Time Is 9-12 months

12 Months (Up to 3 Years) Warranty

Certifications approved for use in Canada, as per CSA SPE-1000

Specifications

Category	Item	Data
General	Power Ratings	3MVA to 500MVA
	High Voltage	44kV to 230kV
	Low Voltage	4.16kV to 138kV
	Impedance	As per C802.3-15
	Temperature rise	65° C Rise
	Cooling	ONAN, ONAF, KNAN, KNAF
	Fluids	Mineral oil, Envirotemp (FR3)
	Winding	Copper or Aluminum
	Paint Finish	Ansi 70 Grey, Munsell RBG 7.0/0.4
Terminations	Primary	Partial or Full Air Terminal Chamber, Spade Terminals Open-air, Top Mounted
	Secondary	Open-air, Top Mounted
Applicable Standards	CSA C88:16	Power Transformers and Reactors
	C802.3-15	Minimum Efficiency for Power Transformers
	IEEE C57.12.00	General Requirements for Liquid-Immersed Distribution, Power and Regulating Transformers
Fittings and Gauges	Pressure relief valve	Dial type
	Pressure vacuum gauge	Dial type (w/ Contacts)
	Liquid temperature gauge	Dial type (w/ Contacts)
	Liquid level gauge	Dial type (w/ Contacts)
	Drain & sample valve	2''
	Tap Changer	5 position off-circuit
	Fill Valve	1'' or 2''
	Large Pressure Relief Device	w/ Contacts
Optional Accessories	Dual Voltage	Dual voltage primary with selector switch
	NGR	Upon Request
	Surge Arresters	Upon Request
	Sudden Pressure Relay	For base ratings above 7.5 MVA
	Winding Temperature Gauge	For base ratings above 7.5 MVA
	Seal-In Relay	c/w Sudden Pressure Relay
	Temperature Rise	55°C Rise

VPI DRY-TYPE TRANSFORMER

Specifications

Category	Item	Data
General	Power Ratings	10 – 10,000 kVA Single Phase 10 – 30,000 kVA Three Phase
	High Voltage	Up to 69kV
	Low Voltage	Up to 4.16kV
	Impedance	As per C802.2-18
	Temperature rise	150° C Rise
	Cooling	ANN AFN
	Winding	Copper or Aluminum
Applicable Standards	CSA C22.2 No 47	
	CSA C9	
Optional Accessories	Dual Voltage	Dual voltage primary with selector switch
	NGR	Upon Request
	Surge Arrestor	Upon Request
	Load Break Switch	Upon Request

Highlights

Current Lead Time Is Less Than 16 Weeks

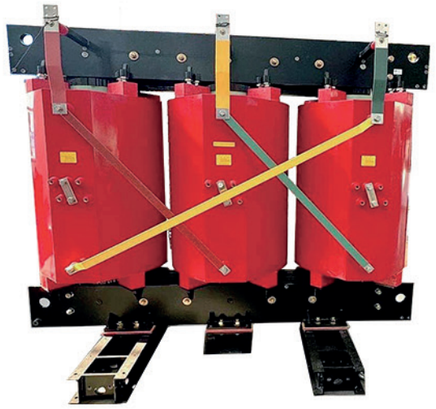
12 Months (Up to 3 Years) Warranty

Certifications UL / cRUus, approved for use in Canada, as per SPE-1000

CAST RESIN DRY-TYPE TRANSFORMER

Specifications

Category	Item	Data
General	Power Ratings	10 – 10,000 kVA Single Phase 10 – 30,000 kVA Three Phase
	High Voltage	Up to 69kV
	Low Voltage	Up to 4.16kV
	Impedance	As per C802.2-18
	Temperature rise	150° C Rise
	Cooling	ANN AFN
	Winding	Copper or Aluminum
Applicable Standards	CSA C22.2 No 47	
	CSA C9	
Optional Accessories	Dual Voltage	Dual voltage primary with selector switch
	NGR	Upon Request
	Surge Arrestor	Upon Request
	Load Break Switch	Upon Request



Highlights

Current Lead Time Is Less Than 16 Weeks

12 Months (Up to 3 Years) Warranty

Certifications UL / cRUus, approved for use in Canada, as per SPE-1000

POLEMOUNT TRANSFORMER

Specifications

Category	Item	Data
General	Power Ratings	10-10,000kVA – Single Phase 30-3000kVA – Three Phase
	High Voltage	Up to 34500V
	Low Voltage	Up to 600V
	Impedance	As per C802.1-23
	Temperature rise	65° C Rise
	Cooling	ONAN
	Winding	Copper or Aluminum
Applicable Standards	CSA C2.1 CSA C2.2 CSA C802.1-23	
Fittings and Gauges	Pressure Relief Valve	Manual
	Pressure Vacuum Gauge	Dial Type
	Liquid Temperature Gauge	Dial Type
	Liquid Level Gauge	Dial Type
	Fill and Drain Valve	1''
	Tap Changer	5 position off-circuit

Highlights

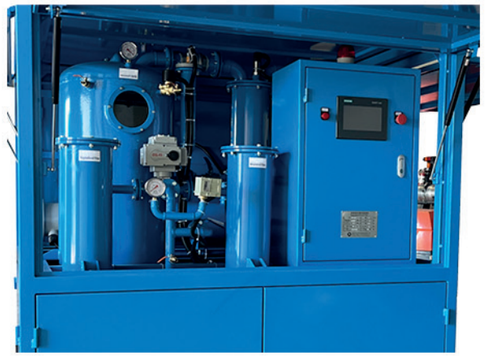
Current Lead Time Is Less Than 16 Weeks

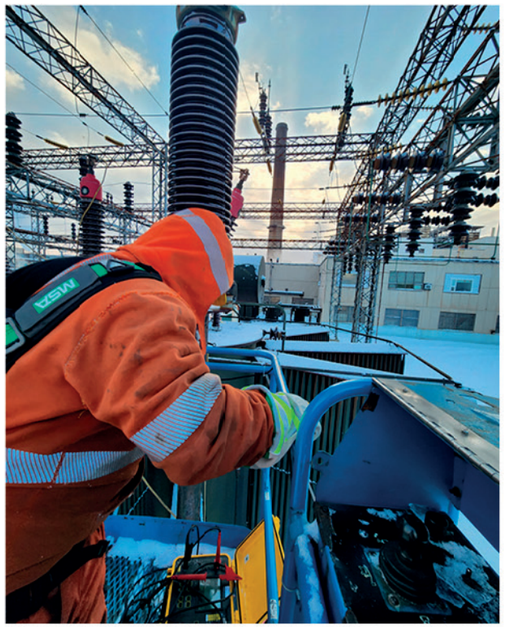
12 Months (Up to 3 Years) Warranty

Certifications UL Listed Canada and USA, approved for use in Canada, as per CSA SPE-1000

TRANSFORMER SERVICES

At ETAC Service & Supply, we provide essential transformer services to keep your equipment running safely and efficiently.





Oil Change

- Vacuum filtration to eliminate moisture and particulates
- Oil circulation and degassing to maintain dielectric strength
- Fluid replacement with FR3, improving transformer cooling and insulation lifespan

Transformer repair

- Complete oil sampling and analysis.
- Regasketing of all sealed surfaces on the transformer.
- Replacement of all components associated with standard electrical transformers.
- Repainting of the transformer.

Testing and Commissioning

- Transformer Turns Ratio
- Winding Resistance
- Dielectric Insulation
- Cap. Bridge & Dissipation
- Commissioning of the transformer
- IR Scan
- Field Inspection

LOW VOLTAGE DISTRIBUTION PANEL

Features

- Aluminum and Copper busbar available.
- Corrosion resistant, painted Carbon Steel Enclosure for outdoor use.
- Pad mounted, Freestanding.
- Tailored switchgear solutions with customer specified main and secondary breakers to meet your project demands.

Specifications

Category	Item	Data
General	Amp Rating	Up to 4000A
	Voltage Rating	up to 347/600V
Applicable Standards	CSA C22.2 No.40:17	
	CSA C22.2 No.76:14	

Highlights

Current Lead Time is Less Than 8 weeks

12 Months (Up to 3 Years) Warranty

Certifications
- Approved for use in Canada
- SPE-1000-Field Inspection

MEDIUM VOLTAGE DISTRIBUTION PANEL

Features

- Aluminum and Copper busbar available.
- Corrosion resistant, painted Carbon Steel Enclosure for outdoor use.
- Pad mounted, Freestanding.
- Tailored switchgear solutions with customer specified main and secondary breakers to meet your project demands.

Specifications

Category	Item	Data
General	Amp Rating	Up to 4000A
	Voltage Rating	up to 34.5kV
Applicable Standards	CSA C22.2 No.31	

Highlights

Current Lead Time is Less Than 8 weeks

12 Months (Up to 3 Years) Warranty

Certifications
- Approved for use in Canada
- SPE-1000-Field Inspection

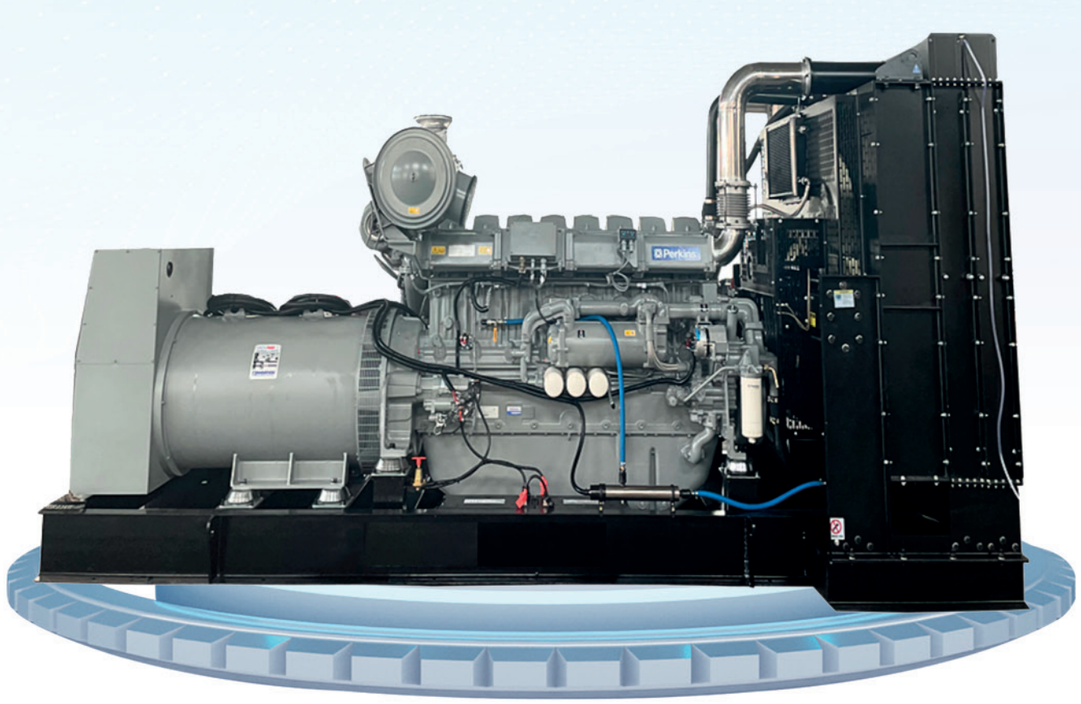
POWER GENERATOR SET

RIGHT-SIZING FOR EFFICIENCY:

ETAC optimizes generator sizing for each application, enhancing efficiency and reducing strain.

FUEL EFFICIENCY MEETS COST REDUCTION:

ETAC solutions help you minimize fuel consumption, reduce costs, and achieve your sustainability goals.



PRODUCT SPECIFICATIONS

Power Output	40KW to 3900KW
No. of Cylinders	4 to 20
Engine Displacement	2.8L to 91.7L
Fuel Types	Natural Gas, Diesel, LNG, LPG
Dimensions	From 1660mm*750mm*1200mm to 14630mm*2590mm*2890mm
Weight	From 800Kg to 40000Kg
Bore*Stroke	108*115 to 230*250
Enclosure Type	Open-Type, Closed-Type, and Silenced-Type
Power Type	Standby / Prime
Cooling System	Air-Cooled or Water-Cooled
Emission Standard	EPA Tier 2 to Tier 4 Final
Standard Warranty	1 year or 1,000 running hours , whichever occurs first
RPM, Frequency	1800, 60Hz
Optional Features	Synchronized Parallel Connection
Voltage Options	Single-Phase: 120/240V Three-Phase: 240V – 13.8kV

KOMODO

The Komodo Mobile Power Unit is a robust and versatile all-terrain power station engineered to meet a wide range of industrial energy needs. It is suitable for diverse applications including airports, mining, construction, agriculture, and energy storage systems.

Current Lead Time is Less Than 2 weeks

10-Year Limited Manufactured Warranty

Certifications UL 1973, UL 9540A, UL 1741

Komodo Mobile Power Unit Technical Specifications

kWh Capacity	100 kWh + 22 kVa
Amp Hours	1302 Ah @ 72V
Tow Capacity	5,000 lbs
Carry Capacity	500 lbs
AC Input Voltage	160-260V (UPS Mode)
AC Output Voltage	110V/220V (±10%)
Continues Surge Power	18 kW MAX AC Charge Current: 50A @ 240V
Output Frequency	50Hz/60Hz (±0.5Hz)

Komodo Features:

- Portable & Lightweight – Easy to carry for outdoor activities (camping, RV trips).
- Multiple Power Outputs – USB, AC, DC ports for charging devices.
- Remote control access.
- Solar-Compatible – Ability to recharge via solar panels.
- High Capacity Battery – Long-lasting power for phones, laptops, or small appliances.
- Fast Charging – Supports PD (Power Delivery) or Quick Charge.
- LCD Display – Shows battery level, input/output wattage.

Komodo Accessories:

- PV to BE 175 Cable.
- 72V Battery Charger.
- Twist Lock Socket (SS2-50P).
- Embedded Ground Blade Power Socket (NEMA14-50R).
- 50 Amp 10 Ft RV Extension Cable.

Komodo Advantages:

- Smart Monitoring: 7" touchscreen for real-time monitoring and system settings.
- Remote Control: Mobile app access via Wi-Fi or Bluetooth using Battery EVO.
- Programmable Charging: Customizable charge and discharge schedules for efficiency.
- Built-In Safety: Emergency stop, breakers, alarms, and IP54 protection.

With a 100 kWh battery, 22 kVA inverter, and all-terrain mobility, the Komodo delivers reliable performance for demanding industrial and off-grid applications.