

prolec®



Secondary Substation Transformers



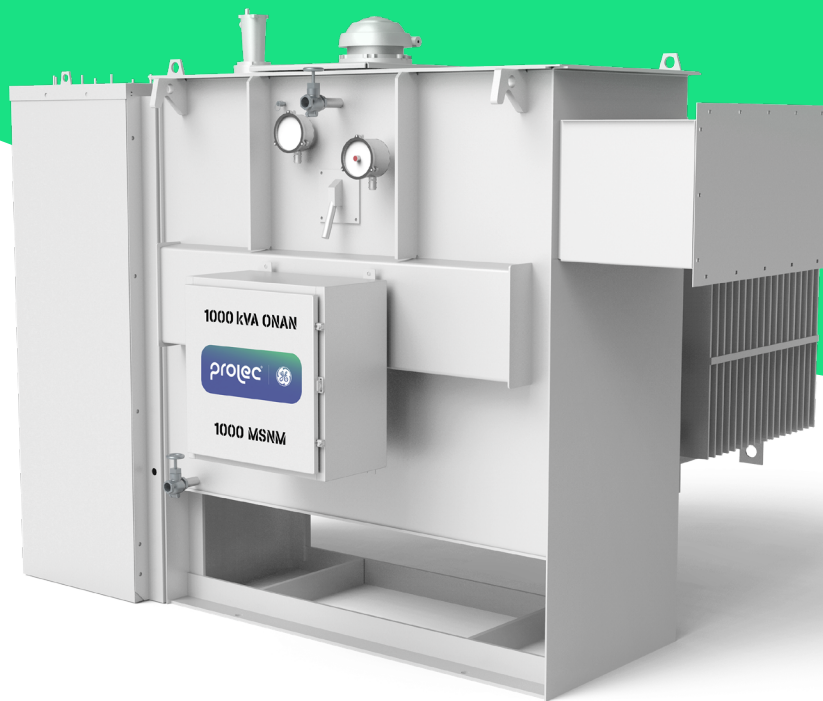
Prolec GE offers secondary substation transformers specifically designed for a wide range of commercial, industrial, and utility applications requiring three-phase substation service with match-ups to switching and/or fusing. With high voltages up to 34.5 kV and ratings up to 7.5 MVA, Prolec GE transformers are built using high-grade materials and designed with advanced technology in order to provide years of reliable operation.

Our stringent quality assurance practices, state-of-the-art facilities, and highly-qualified personnel allow us to deliver products and services according to your needs in a prompt and reliable way. We know that every customer is unique and needs a different level of support and involvement from its transformer supplier. We are committed to provide a reliable and responsive support, from the day you start building your specification to the day in which you start operating the transformer.

Product scope

Standard features

- Rating:
 - Up to 7,500 kVA.
- High Voltage:
 - Aluminum windings.
 - Up to 34,500 V Delta or Wye connected.
 - BIL up to 200 kV.
 - Tap changer: $\pm 2, 2.5\%$.
 - Radial feed.
 - Live front.
 - Porcelain bushing.
- Low Voltage:
 - Aluminum windings.
 - Up to 4,160 V Delta or Wye connected.
 - BIL up to 60 kV.
 - Epoxy bushings with 4-holes blade.
- Frequency: 60 Hz.



- 5-legged core.
- Temperature rise: 65°C.
- Cooling class: ONAN.
- Insulating fluid: Mineral oil.
- Impedance: 5.75% \pm 7.5%.
- Altitude: 3,300 FASL.
- Mild steel tank & cabinet.
- Liquid paint system; Color: ANSI 61 or ANSI 70.
- Built to all applicable IEEE C57.12.36.

Optional features

- High Voltage:
 - Copper windings.
 - Tap changer with 7 positions.
- Low Voltage:
 - Copper windings.
 - Porcelain bushings.
- Frequency: 50 Hz.
- Temperature rise: 55°C, 55/65°C.
- Cooling class: KNAN, ONAN / ONAF, KNAN / KNAF.
- Insulating fluid: Natural ester fluid (VG-100®).
- Impedance per customer request, $\pm 7.5\%$.
- Altitude up to 14,850 FASL.
- Infrared window.
- Altitude: 3,300 FASL.
- Mild steel tank & cabinet.
- Liquid paint system; Color: ANSI 61 or ANSI 70.
- Built to all applicable IEEE C57.12.36.
- Electrostatic shield.
- Pressure relief device.
- Winding temperature device.
- Sudden pressure relay with or without seal in.
- Devices with alarm contacts.
- Top filter press valve.
- HV & LV air terminal compartments.
- HV lightning arresters in ATC.
- Current transformers.
- Neutral grounding resistor.
- Special environment (i.e. Class 1, Division 2, Group C&D).
- Special / low sound level.
- Retrofit to specific dimensions.
- Non-standard loading conditions such as harmonic loading or specified K-factor.
- Removable radiators.
- Stainless steel removable radiators.
- Galvanized steel removable radiators.
- Special paint for marine ambient.
- CSA compliance.



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Typical dimensions

Oil filled transformer, 65°C, 95 kV BIL				
kVA	Height	Width	Depth	Total Weight
750	82	67	100	8,250
1,000	82	67	100	8,700
1,500	82	67	100	9,520
2,000	82	73	100	11,800
2,500	103	72	102	15,450
3,000	103	105	105	15,200
3,750	103	110	118	21,350
5,000	107	130	129	24,600

VG-100® filled transformer, 65°C, 95kV BIL				
kVA	Height	Width	Depth	Total Weight
750	82	50	96	8,250
1,000	82	58	96	9,400
1,500	82	65	96	10,100
2,000	86	77	100	12,400
2,500	86	81	102	16,250
3,000	100	95	118	16,350
3,750	100	110	118	22,000

Dims in inches.

Weight in lbs.

Standards and certifications available







LOCATIONS

MEXICO

APODACA

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USA

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