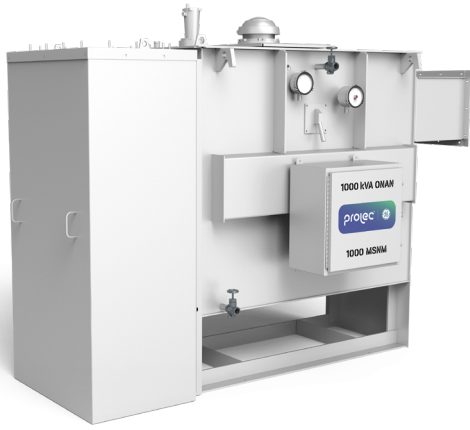


Secondary Substation Transformers





Protec 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, Protec 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% ± 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 or FR3). silicone
- Impedance per customer request, ± 7.5%
- Altitude up to 14850 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

Typical dimensions

Oil filled transformer, 65°C, 95 kV BIL				
kVA	Height	Width	Depth	Total Weight
750	82	67	100	8250
1000	82	67	100	8700
1500	82	67	100	9520
2000	82	73	100	11800
2500	103	78	102	15450
3000	103	105	105	15200
3750	103	110	118	21350
5000	107	130	129	24600

VG-100 filled transformer, 65°C, 95kV BIL				
kVA	Height	Width	Depth	Total Weight
750	82	50	96	8500
1000	82	58	96	9400
1500	82	68	96	10100
2000	86	77	100	12400
2500	86	81	102	16250
3000	100	95	118	16350
3750	100	110	118	22000

Dims in inches.

Weight in Lbs.

Typical dimensions





For more information contact your local GE Sales Representative
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