Secondary Substation Transformers (SST)

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: ± 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
- Seismic designs IBC Certified
- 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

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<th>kVA</th>
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<th>Depth</th>
<th>Total Weight</th>
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<td>67</td>
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<td>24600</td>
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**VG-100 filled transformer, 65°C, 95 kV BIL**

<table>
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-Dims in inches.
-Weight in Lbs.

## Standards and certifications available

![Certifications](image)

For more information contact your local GE Sales Representative or visit our website at [www.prolecge.com](http://www.prolecge.com)

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