

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. Prolec GE transformers are built using high-grade materials and designed with advanced technology in order to provide years of reliable operation. Prolec GE incorporates state-of-the-art technology in both, design and manufacturing, and their commitment to quality is reflected to delivering reliable and responsive assistance from specification creation to transformer operation.



Standard features	
Rating	Up to 7,500 kVA.
High voltage	Up to 34,500 V Delta or Wye connected
Tap Changer	± 2, 2.5%.
Low voltage	Up to 4,160 V Delta or Wye connected
BIL	HV: Up to 200 kV LV: 60 kV
Windings HV & LV	Aluminum
General standard IEEE	C57.12.36
CORE	5-legged
High voltage bushings	Porcelain
Low voltage bushings	Epoxy with 4-holes blade
Frequency	60 Hz
Cooling class	ONAN
Impedance	5.75% ± 7.5%.
Temperature rise	65 °C
Altitude	3,300 FASL

OPTIONAL FEATURES

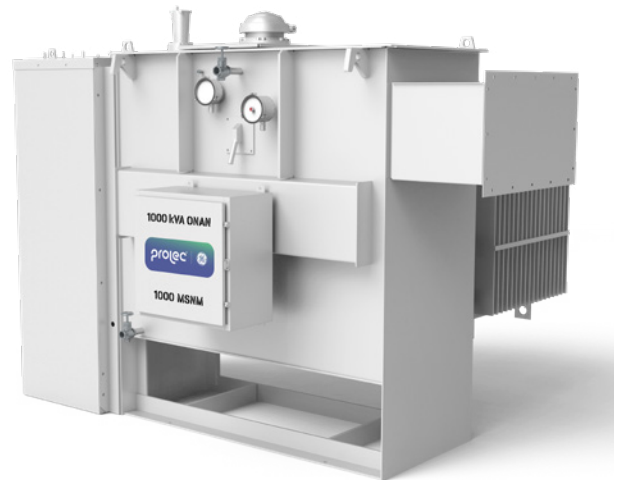
- High Voltage:
 - Copper windings.
 - Tap changer with 7 positions.
- Low Voltage:
 - Copper windings.
 - Porcelain bushings.
- Frequency: 50 Hz.
- Temperature rise: 55°C, 55/65°C.
- Cooling class: KNAN, ONAN / ONAF, KNAN / KNAF.
- Insulating fluid: Natural ester fluid (VG-100®).
- Impedance per customer 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.

OVERALL TYPICAL DIMENSIONS FOR REFERENCE

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

Dimensions in inches.
Weight in lbs.



For more information:
info@prolec.energy

