

DEAD FRONT COMPACT OUTDOOR RATED SWITCHGEAR & TRANSFORMER COMBINATION



BC HYDRO APPROVED SWITCHGEAR	25kV OUTDOOR RATED	CEC COMPLIANT SMALL FOOTPRINT	SELF-POWERED LOWER INSTALL COST & INCREASED RELIABILITY
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INNOVATIVE DESIGN

OneSub is a self-contained, outdoor-rated 25kV switchgear and transformer solution designed for compact, compliant, and safe installations.

- Fully insulated & submersible primary connections for protection against flashover
- Improved operator safety and long-term reliability
- Front-access-only layout ideal for alcoves and restricted workspace

TECHNICAL SPECIFICATIONS

- **Primary Voltage:** 3-phase, up to 25kV
- **Primary Current:** 600A continuous
- **Secondary Voltage:**
 - 120/208V, 220/380V, 240/416V, 277/480V, 347/600V
 - Custom voltages available upon request
- **Capacity:** 500kVA to 5000kVA (Larger capacities available upon request)
- **Enclosure:** Outdoor-rated, tamper-proof (suitable indoors)
- **Colours:** Standard green or grey (custom colours on request)

SAFETY & PROTECTION

- Dead front separable insulated primary elbow connections (900A) with live line indication
- Self-powered digital protection relay (ANSI & IEC curves)
- 15.3kV MCOV insulated surge arresters (other voltages upon request)
- Primary interrupter: 12.5kA interrupting capacity, 600A continuous, padlockable

SWITCHING & INTERLOCKING

- Primary three-position visual isolation switch with source grounding (padlockable)
- Key interlocks between isolation switch and interrupter

TRANSFORMER ACCESSORIES

- Oil level gauge, oil temperature gauge, tank pressure/vacuum gauge
- 1" NPT fill port, 1" NPT drain port with sample valve
- Pressure relief device
- Four 2.5% taps
- Nitrogen blanket
- UV-resistant warning labels
- Cooling radiators
- Lifting lugs

ADDITIONAL FEATURES

- Plated copper continuous grounding bus (primary & secondary compartments)
- Seismic-rated anchorage provisions
- Efficiency rating: NRCAN-2019 compliant

STANDARDS COMPLIANCE

- CSA C22.2 No. 31, CSA C227.4, CSA C2.1
- IEEE 386
- ANSI C37.71, ANSI C37.72, ANSI C37.6

CUSTOMIZABLE OPTIONS

- Thermographic inspection (IR) windows
- Main breaker with or without revenue metering and integrated cable exits (secondary compartment)
- Primary or secondary remote (shunt) trip
- Choice of copper or aluminum windings
- FR3 ester-based transformer insulation fluid (high flash point)
- Custom flanges/gland plates for LV bus ducts, cable bus systems, or adjacent LV switchboards
- Key interlocking with upstream/downstream devices
- Additional transformer gauges available
- Dual primary or secondary voltage capability
- Customized customer metering (Accuvim, Schneider PowerLogic, SEL, or customer-specific requests)

GENERAL INQUIRIES

✉ info@islandtechnical.ca
☎ +1 (250) 940-3598
🌐 www.itipowered.com

TECHNICAL QUESTIONS

✉ jon.fairbrother@islandtechnical.ca
☎ +1 (250) 883-6930
Jon Fairbrother, Director of Research & Development

