

LOW VOLTAGE SWITCHBOARD



RAPID LEAD TIME
AS FAST AS 4-6 WEEKS

VERSATILE FEATURES
FOR ANY PROJECT

PROVEN RELIABILITY
FROM RESIDENTIAL
TO INDUSTRIAL

**PLUG & POWER
HARNESS**
FAST & SIMPLE INSTALLATION

FEATURE-RICH SOLUTIONS

The *EvoLV* low voltage switchboard delivers rapid lead times and extensive features suitable for multi-unit residential and complex industrial projects.

- Wide range of breakers from thermal magnetic to LSIG touch-screen trip units
- Device options tailored to every project size and budget
- Multi-cell lineups with plug & power harnesses between shipping splits for rapid, trouble-free on-site installation

TECHNICAL SPECIFICATIONS

- **Voltage:** Standard up to 600VAC (higher voltages upon request)
- **Primary Current Rating:** Up to 6000A
- **Short Circuit & Interrupting Capacity:** Up to 100kA
- **Grounding:** Solidly grounded, impedance grounded & ungrounded
- **Enclosure:** Indoor sprinkler-proof & outdoor-rated tamper-proof (CSA Type 3R)
- **Standard Colour:** Grey (custom colours available)

CONFIGURATIONS

- Service entrance main
- Utility revenue metering
- High-density distribution
- ATS systems
- Main-Tie-Main applications

SAFETY & PROTECTION

- Advanced built-in protection and metering (15A and above)
- Fiber optic sensors for arc flash reduction
- 250kA Type 1 surge protection device (SPD)
- Key interlocking between devices and access compartments

ACCESSORY PACKAGE

- UV resistant warning labels
- Removable lifting lugs
- Compression or mechanical lugs
- Plug-in breakers (1200A & below)
- Plated continuous ground bus
- Seismic-rated anchorage

STANDARDS COMPLIANCE

- CSA C22.2 No. 31
- CSA C22.2 No. 244
- UL 891 & UL 1558

CUSTOMIZABLE OPTIONS

- Thermal magnetic to LSIG breaker protection
- Maintenance mode – CEC 2-306-(3) compliant
- High ambient temperature operation (50°C)
- Thermographic inspection windows (IR Windows)
- SEL or customer-specified protection relays
- Load shed & priority bus custom schemes
- UPS power supply
- Remote and time-delayed breaker operation
- Single-phase & undervoltage protection
- Copper or aluminum plated bus
- Custom flanges, gland plates & bus alignment
- Customer metering (Accuvim, Schneider PowerLogic, SEL, or customer request)
- Coordinated protective device & arc flash studies
- Witness factory acceptance testing
- Unitized substation package with *Empower* switchgear and transformer – all bus-connected

GENERAL INQUIRIES

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

TECHNICAL QUESTIONS

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

