

*We can do that!*

# Load Interrupter Metal-Enclosed Switchgear

- Single & Three Phase
- 5kV 200 Amperes
- 5kV, 15kV or 34.5kV 600 or 1200 Amp
- BIL thru 150kV
- Switch viewing window
- Mechanically interlocked fuse access door
- Plated terminals
- Structural steel welded base
- Internal ground bus



Olsun Electric's Load Interrupter Metal-Enclosed Switchgear provides a reliable and safe method of switching as well as overcurrent protection for primary feeders. Load Interrupter Switches can be supplied as stand alone units or as an option with Olsun Unit Substation Transformers. Olsun's flexible engineering and manufacturing capabilities can provide custom designed switchgear to fit most applications.



## Construction

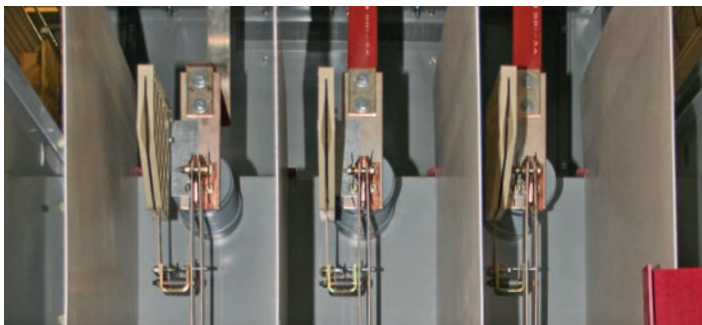
**The Olsun Load Interrupter Switchgear meets or exceeds the following industry standards:**

ANSI/IEEE C37.20.3 & C37.20.4

NEMA SG-5

ANSI C37.57 & C37.58

CSA C22.31



**Two Metal-Enclosed Switchgear enclosures are available:**

NEMA 1 indoor • NEMA 3R outdoor

Front and rear accessibility

Each independent frame of switchgear is made of bolted sheet steel gauge according to UL requirements. Each frame is adequately braced and constructed to properly and safely function under normal operating or short circuit conditions.

The frame and panel surfaces are phosphate treated and painted with a powder coated corrosion resistant polyester enamel ANSI 61 light grey finish.

**Engineered and Assembled in Richmond, IL USA**



## Bus System

The main bus is three-phase un-insulated tin plated or silver plated, appropriately sized and braced for the continuous and momentary current ratings of the switchgear. Main bus stand-off insulators and supports are rated for the appropriate system impulse level requirements. Insulated bus system is available as an option.

A copper ground bus with a short circuit rating equal to that of the integrated assembly is furnished, and extends throughout the full length of the switchgear. Ground connections are readily accessible for customer use and provided at each end of the line-up.

## Fuses

Fuses shall be coordinated to meet the short circuit rating and continuous current ratings as specified in project data sheets or single line diagrams. Fuses are readily accessible and easily removed, and shall be retained in position by high pressure fuse clips to prevent slippage or displacement during operation.

Current limiting fuses, complete with indicator, facilitate identification of blown fuses. A blown fuse trip mechanism is available. Expulsion fuses, with or without operation indicators, are available.

All switchgear assemblies supplied with fuses come with a spare fuse pouch.



## Switch Ratings

| Rated Maximum kV | Impulse Withstand kV | Cont. & Load-Break Amperes | Fault-Close & Momentary Amperes kA rms Asym. (10 cycles) | Rated Short-Time Current (2 sec) kA rms Sym. |
|------------------|----------------------|----------------------------|--|--|
| 4.76             | 60                   | 600                        | 40   | 25   |
|                  |                      | 600                        | 61   | 38   |
|                  |                      | 1200                       | 40   | 25   |
|                  |                      | 1200                       | 61   | 38   |
| 15               | 95                   | 600                        | 40   | 25   |
|                  |                      | 600                        | 61   | 38   |
|                  |                      | 1200                       | 40   | 25   |
|                  |                      | 1200                       | 61   | 38   |
| 27               | 125                  | 600                        | 40   | 25   |
|                  |                      | 600                        | 64   | 40   |
| 38               | 150                  | 600                        | 40   | 25   |

**Transforming the Industry with:  
Handcrafted Quality • Sophisticated Designs • Superior Materials • Olsun Flexibility**

Olsun Electric is a leading dry type transformer manufacturing company that has been providing solutions in the most challenging environments for over five decades.