

## Switchgear: MME -Load Break

### UEE Switchgear

UEE manufactures safe, reliable, and cost-effective CSA-certified switchgear using a modular approach that leverages extensive design experience with a vast library of metal-enclosed, metal-clad and arc-flash resistant switchgear cell configurations.

Using advanced 3-D modeling techniques, our UEE design team can readily configure complex and completely unique switchgear lineups from pre-existing models without the time and cost typically associated with ground-up custom design and fabrication.

### Modular Metal-Enclosed Switchgear – Load Break

UEE Modular Metal-Enclosed (MME) Load Break Switchgear is a simple, reliable, low-maintenance and cost-effective solution suitable for a wide variety of high-voltage switching applications. Compact and light, UEE Modular Metal-Enclosed Switchgear fits most indoor or outdoor locations.

The primary load interrupting mechanism is a three-phase air-insulated load break switch mounted in the top compartment of the switchgear module. The load break switch interrupts current with blades that travel in energy-controlling arc chutes. The load break switch utilizes a stored energy spring that charges every time the switch is closed and quickly disengages the conducting blades for safe, reliable tripping.

The load break switch is also equipped with shunt-trip and blown fuse trip mechanisms, as well as trapped key interlocks, for further ensuring safe operation.

Over-current protection is handled by high-voltage fuses mounted in the lower compartment. The fuses are system specific and are isolated from the line-side compartment by a rigid insulating barrier. Independent doors for fuse and switch access, along with the trapped key interlock scheme, ensure that line-side components of the switchgear are not accessible when fuses are being changed. Spare fuses are stored on the fuse access door.

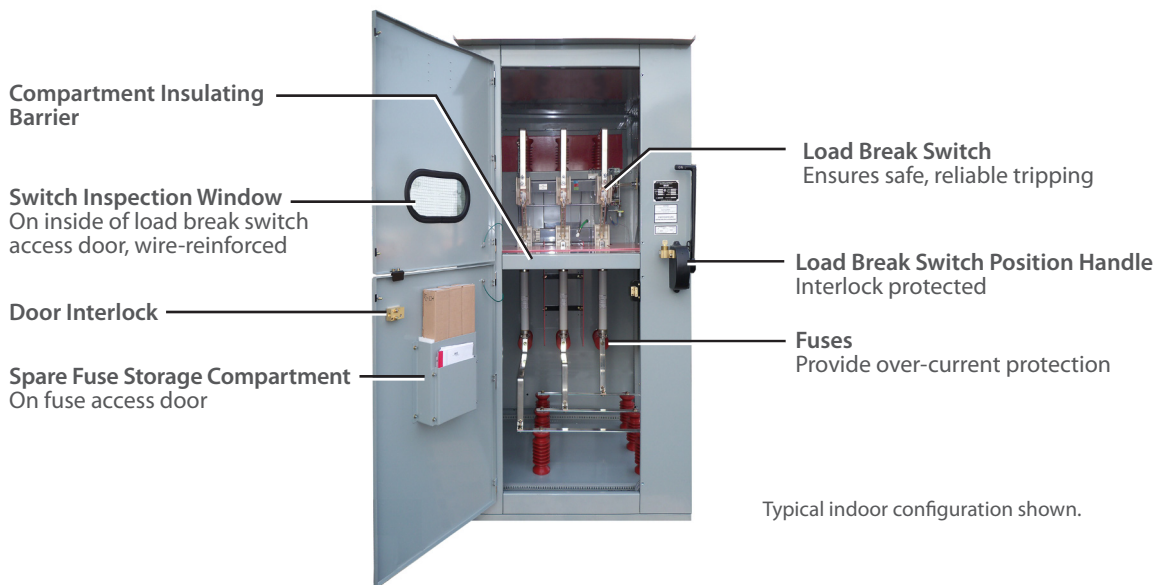
A wire-reinforced glass window in the load break access door allows a visual check of the switch blades to verify the switch state. The key interlocking scheme ensures that the bolt-secured upper load break access door cannot be opened unless the fuse compartment door is also open.



### Standards

All UEE Switchgear is certified to CSA C22.2 No 31-10, and meets the requirements of ANSI C37.20.3.

## UEE MME Switchgear – Load Break Module



Power Distribution

### Typical Specifications

Electrical Ratings	BIL kV	Rated Short-Time Current (2 seconds) kA (RMS Sym.)	Continuous Current Amperes	Rated Maximum Voltage kV
15 kV Switchgear	95	25	600 - 1200	15
25 kV Switchgear	125	25	600 - 1200	29.8

Switch Ratings	BIL kV	Dielectric Strength Test Voltage kV (RMS 60 Hz 1 min.)	Interrupting Current Amperes (pF 0.70)	Continuous Current Amperes	Momentary Current kA (RMS Asym.)	Fault Closing kA (RMS Asym.)
15 kV Load Break Switch	95	36	600	600 or 1200	40	40
25 kV Load Break Switch	125	60	600	600 or 1200	28	25

Higher ratings available on request.

Physical	
<b>Typical Cell Height</b>	91.5"
<b>Finish</b>	Heat-cured polyester powder-coat
<b>Indoor Enclosure Rating</b>	EEMAC 2
<b>Outdoor Enclosure Rating</b>	EEMAC3
<b>Tamper/Vandalism Protection</b>	Penta-head-actuated 3-point locking latch system (outdoors only)
<b>Typical Cell Weight (approx.)</b>	15 kV: 1500 lbs indoors / 1700 lbs outdoors 25 kV: 1700 lbs indoors / 2000 lbs outdoors

For additional technical details or specifications, call 1-250-497-5254 or visit [www.uee.com](http://www.uee.com).