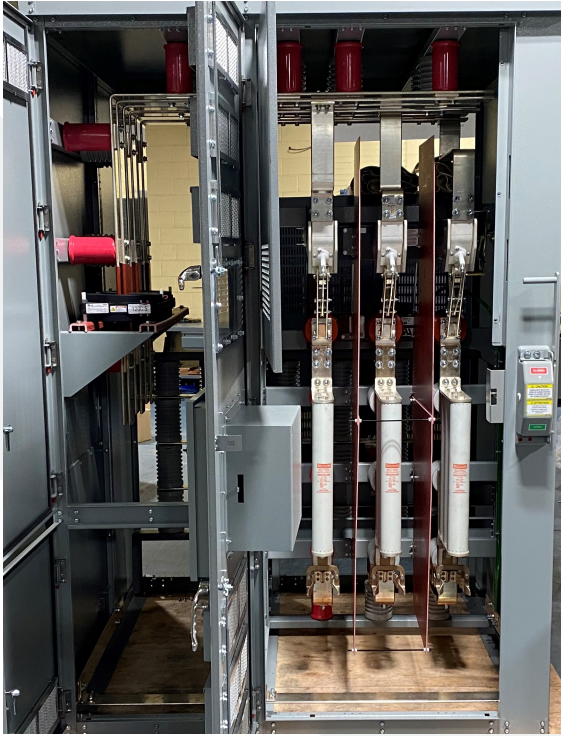


METAL ENCLOSED MEDIUM VOLTAGE SWITCHGEAR

Engineered, Manufactured, Assembled, and Tested to Meet Your Requirements



FUSIBLE SWITCH
AND TRANSITION



OUTDOOR
ENCLOSURE

STANDARD FEATURES

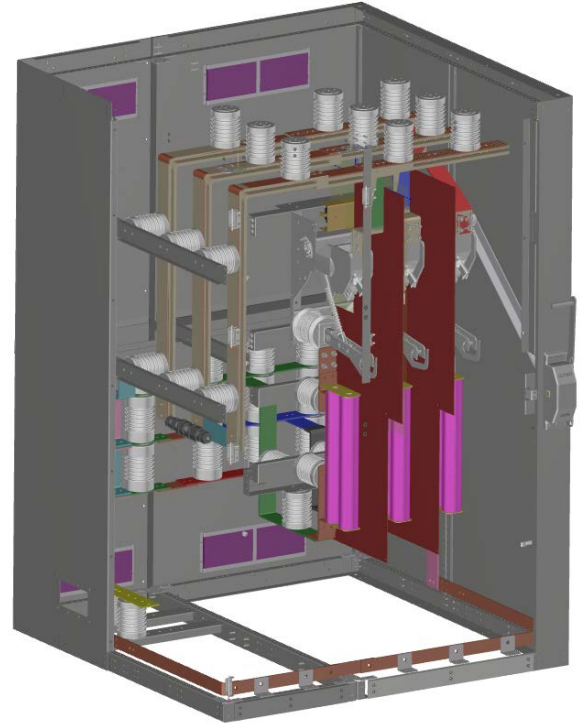
- Meets or Exceeds ANSI C37.20.3 Switchgear Standards
- UL/cUL Listed
- Switch Ratings: 600 and 1200 amp at 5-15kv / 600 amp at 27-38kv
- Cross Bus Ratings up to 4000amp at 5-15kv / 1200 amp at 27-38kv
- Partial Discharge Free Design
- Silver Plated Copper Bus Bars
- Indoor and Outdoor Non-Walk-in Enclosures
- Front Accessible Design
- Fused and Non Fused Options
- Current Limiting and Expulsion Fuse Options
- Manual or motor operated
- Multiple Cross Bus locations for Modular Design
- Viewing Window for switch position
- Fully Tested to ANSI, IEEE, and Nema Standards
- 1 Year Standard Warranty

OPTIONAL FEATURES

- Grounding Switch/Grounding Jaws
- Power Metering
- Utility Incoming/Metering
- Arc Flash Mitigating Relay Protection
- Outdoor Walk-in Enclosures
- IEEE C57.12.29 Coastal Paint
- ATO Schemes—Incoming Power Sources
- Integration with Building Management Systems
- Custom Bus Bar configurations and transitions for connecting to Power Transformers, Switchgear, MCC's, and other equipment.
- Bus Bar Insulation
- Voltage/Current Transformers
- Surge Arrestor
- Special Paint Colors Available
- Remote Control Operator Stations
- Short Cycle Manufacturing Capabilities Available

» CUSTOM PRODUCT DESIGN & APPLICATION ENGINEERING SUPPORT

ESS Metron is at the forefront of Engineering Automation. We extract from our massive portfolio of 3-D modeled designs to provide our clients with custom drawings almost instantly. From the moment your project begins, you'll have detailed drawings specific to your parameters that meet the most demanding applications and standards. In addition, our broad engineering skill-set includes electrical, mechanical and structural disciplines; so you know you have the most skilled and state-of-the art engineering support at your disposal.



COMMON RATINGS					SHORT-CIRCUIT			NEMA 1			NEMA 3R		
Rated Max RMS Voltage (kV)	Nominal ANSI Operating Voltage (kV)	Typical System Operating Voltages (kV)	Rated Withstand/Crest Impulse Voltage (kV)	Continuous RMS Current Rating (@ 60HZ) (AMPS)	Momentary Short Circuit kA Asym	Momentary Short Circuit kA Peak	Short Time Short Circuit kA rms	Width (W)	Depth (D)	Height (H)	Width (W)	Depth (D)	Height (H)
4.76	4.16	2.4 4.16 4.2	60	600 1200	40 61	65 99	25 38	38"	33" 40" 60"	90"	36"	33" 40" 60"	91"
15	13.8	12 12.47 13.2 13.8	95	600 1200	40 61	65 99	25 38	38"	33" 40" 60"	90"	36"	33" 40" 60"	91"
27	27	27	125	600	40	65	25	54"	84"	130"	54"	84"	130"
38	34.5	34.5	150	600	40	65	25	54"	84"	130"	54"	84"	130"

NOTES:
1. NEMA 3R information above is a non-Walkin type with a flat roof. ESSMetron can provide any custom NEMA 3R Walkin or Power Distribution Center.