

PRODUCT CATALOG

**JIANGSU
FIRST POWER CO., LTD.**



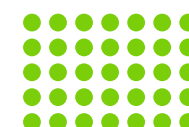
COMPANY VIDEO

JIANGSU FIRST POWER CO., LTD.

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**FIRST
POWER**

ABOUT US



COMPANY INTRODUCTION

Jiangsu First Power Co., Ltd. is a professional manufacturer specializing in medium- and high-voltage power equipment, including transformers, switchgear, and integrated power solutions. Our products comply with IEC, IEEE, ANSI, and UL standards, supported by complete type test reports and strict quality control.

To serve the North American market, we established First Power America Inc. in Dallas, Texas, with a dedicated 30-person after-sales team in Houston providing local technical support, installation assistance, and maintenance services.

With global manufacturing capabilities and localized service resources, First Power delivers reliable power solutions for utilities, industries, renewable energy, and infrastructure projects worldwide.

As an authorized OEM factory for ABB switchgear, we deliver world-class electrical distribution equipment built exactly to proprietary global standards.

1000

We have 1,000 Employees

30

Sold to 30 countries worldwide

80

We have 80 Engineers

20K

20,000m² manufacturing facility

MAIN PRODUCTS

- UL-Certified Switchgear: Complying with UL 891, UL 1558, and UL 67 standards, our low-voltage switchgear delivers reliable and safe power distribution solutions for data centers, industrial, and commercial applications.
- ABB OEM Switchgear: As an OEM partner for ABB switchgear solutions, we provide reliable medium- and low-voltage switchgear manufactured to international engineering standards for power distribution, industrial, and critical power applications.
- Schneider Electric OEM Switchgear: As an OEM partner for Schneider Electric switchgear solutions, we deliver high-quality electrical distribution equipment designed for reliable performance, safety, and flexible application requirements.

STANDARD

- IEC 61439-1 / UL 1558: Low-Voltage Switchgear Assemblies
- IEC 61439-2 / UL 891: Switchboards and Power Assemblies
- IEC 61439-3 / UL 67: Distribution Boards and Panelboards
- IEC 62271-200 / ANSI/IEEE C37.20.2: Medium-Voltage Switchgear
- IEC 62271-100 / ANSI/IEEE C37.04: AC Circuit Breakers



PRODUCTS



OUR MAIN WORKSHOP



QUALIFICATION CERTIFICATIONS

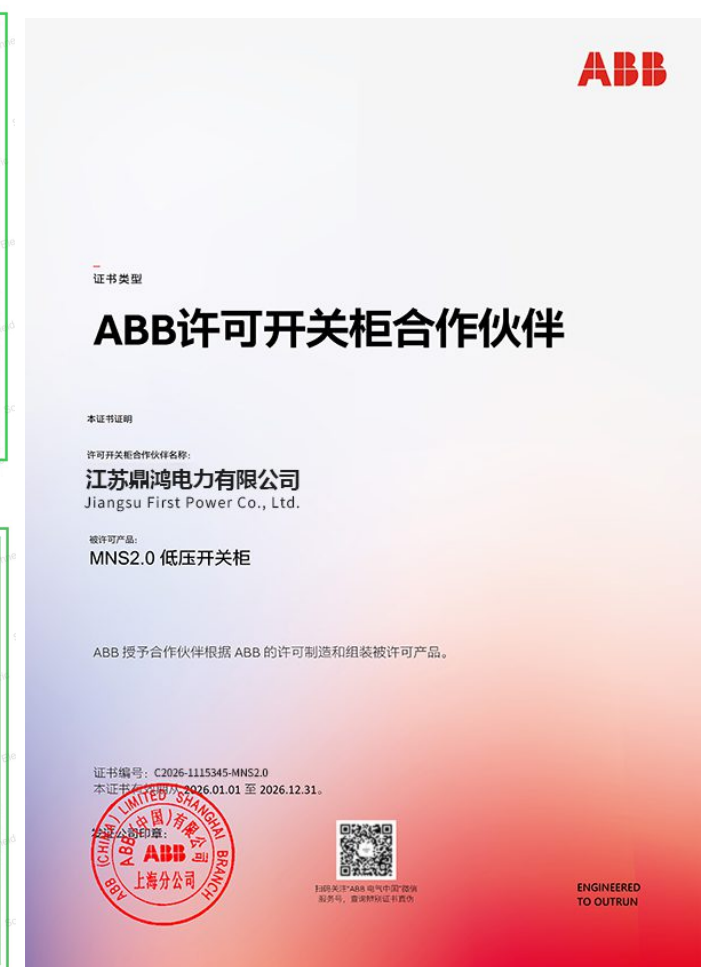
UL & CUL CERTIFICATIONS



CE & ISO CERTIFICATIONS



CERTIFICATE OF AUTHORIZATION



MEDIUM VOLTAGE SWITCHGEAR - IEEE/UL FP-MCS



FP-MCS 2H (2-high)

5/15kV ~40kA ~4000A MCS
27kV ~31.5kA ~2000A MCS
38kV ~31.5kA ~3000A MCS
None arc resistance
LV equipment is mounted on the CB door, creating a two-stage structure.
5/15 Basic frames are 36" wide, 95" high and 85" deep.
The compartment modules stand 19", 38" or 57" tall.

FP-MCS 2H AR (2-high added LV comp)

UL 5/15kV ~40kA ~3000A MCS
UL 27kV ~31.5kA ~2500A MCS
Two-stage structure with separate LV module
Arc resistance design, IEEE C37.20.7 type 2B

FP-MCS 1H (1-high)

5/15kV ~50kA ~3000A MCS
27kV ~31.5kA ~2000A MCS
38kV ~31.5kA ~3000A MCS
Arc resistance design, IEEE C37.20.7 type 2B
Separate LV compartment

PRODUCT DESCRIPTION

FP-MCS switchgear is designed for the protection, instrumentation, and control of various types of medium voltage electrical apparatus and power circuits. The switchgear consists of modules containing circuit breakers and auxiliary equipment, which are stacked two high to form vertical sections. Sections may be arranged side by side and connected mechanically and electrically to form complete switchgear assemblies. Vacuum circuit breakers (VCB) are easily removable to provide maximum accessibility for maintenance with minimum interruption of services. The switchgear is designed to provide a high degree of safety to the operator. All equipment is enclosed in grounded metal compartments and all primary conductors are insulated.

TECHNICAL PARAMETERS

Item	Unit	Value		
Rated voltage	kV	15	27	38
Rated frequency	Hz	60		
Rated current	A	1200/2000/3000/4000	1200/2000 2H AR: up to 2500	1200/2000/3000
Rated power freq withstand voltage(1min) Phase-to-phase and phase-to-earth	kV	36	60	80
Rated lightning impulse withstand voltage Phase-to-phase and phase-to-earth	kV	95	125	150
Rated short time withstand current	kA	31.5/40	31.5/40	31.5/40
Rated peak value withstand current	kAp	82/104	82/104	82/104
Rated duration time for short-circuit	s	2	2	2
Enclosure protection		NEMA 1/2		
Internal arc rating for 0.5 sec	kA	40	40	40
Switchgear width	in	36	36	42

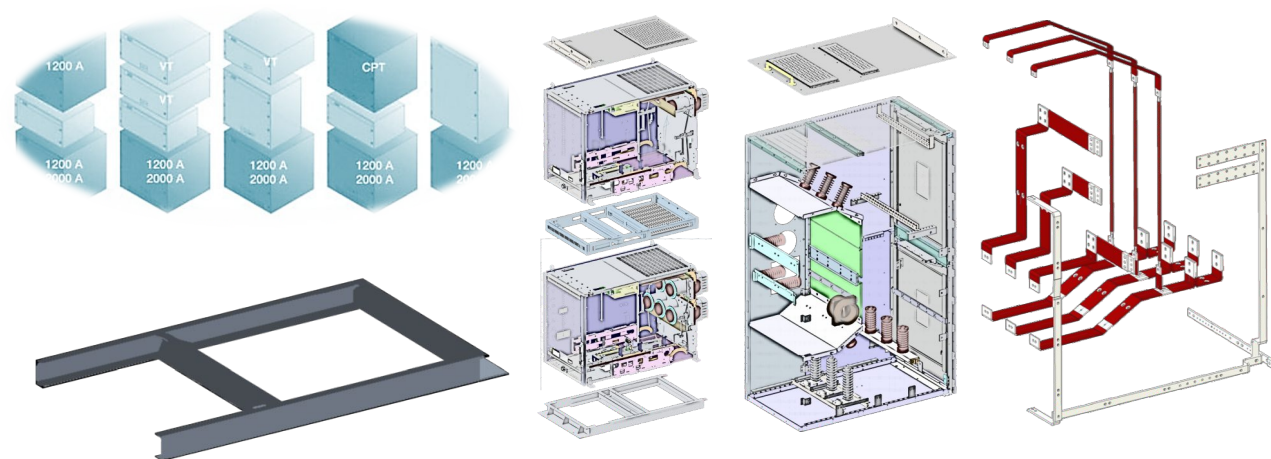
CORE FEATURES

- Functional compartments separated by metal grounded partitions, Modular. Construction and Flexible Arrangements.
- Draw-out circuit breaker and functional truck construction.
- Universal Circuit Breaker Modules for different breaker.
- Various switchgear structures and Extension available.
- Safety feature with Perfect Interlocks and Remote rack in/out solution available, Arc. Resistance design.
- All parts easily accessible, minimum of maintenance.
- Simple and flexible design with UL recognized component.
- Easy installation, Big cable connection space.
- Breakers interlocked to prevent sliding into service position from test position, and vice versa while in the closed position.
- Low voltage compartment to accommodate instruments, meters, and relays.
- Main busbar system, fully insulated, housed in isolated compartment.
- Dedicate voltage transformer section mounted on withdrawable truck.

| MODULAR CONSTRUCTION AND FLEXIBLE ARRANGEMENTS

Complex sets of rugged, stackable circuit breaker and auxiliary equipment modules are assembled to form a switchgear lineup.

Modules are stackable in a variety of one-high and two-high configurations. FP-MCS allow the arrangement of one or two sets of voltage transformers on top of a circuit breaker, minimizing required floor space.



| UNIVERSAL CIRCUIT-BREAKER MODULES

Circuit breaker modules are designed for maximum operator safety by providing a large viewing window and three-position closed door racking, eliminating the need for a remote electrical racking device. The circuit breakers have self-aligning, fully automatic primary and secondary contacts. They incorporate distinctive features for ease of installation, operational safety and maintenance simplicity.

Universal module for different breaker.



| CABINET STRUCTURES AND EXTENSIONS

Conventional Design with LV Comp (W 36").

Compact Design (...15kV) (W 26/31.5in 660/800 mm).

To meet on-site installation requirements and customer demands, we have a variety of switchgear structures.

Both front and rear panels can be expanded to meet the requirement for different designs of low voltage devices, cable sizes, and accessories such as SA and temperature sensors.



| PERFECT MECHANICAL INTERLOCKS

The circuit breaker can only be moved from test to connect position and vice versa when the circuit breaker is in the open position.

The secondary disconnect plug can only be inserted or removed when the circuit breaker is in the test position.

The circuit breaker cannot be closed when it is in between the connected, test or disconnect positions. When the circuit breaker is moved from the connect position, the metal shutters will close automatically.



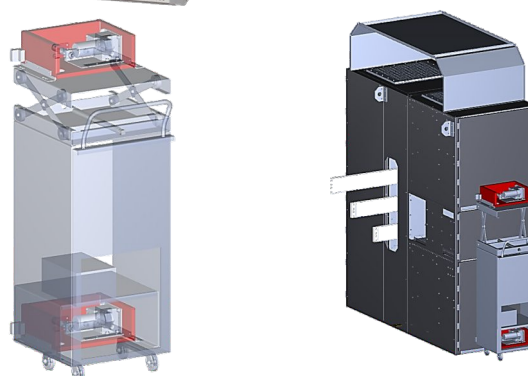
| REMOTE RACK IN/OUT

Motorized Control Racking System ensures personal safety because operators can remotely control and operate the VCB in and out, On & Off while being far away from the switchgear.

Internal Motor Type

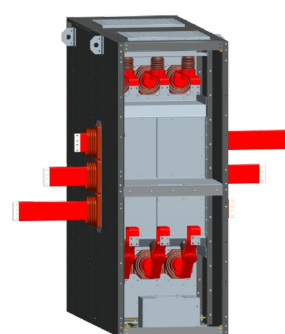


External Motor Type



| FULL INSULATED BUSBAR

All busbar and joint are fully insulated, epoxy fluid busbar , no bare live connection .



| BIG CABLE CONNECTION SPACE

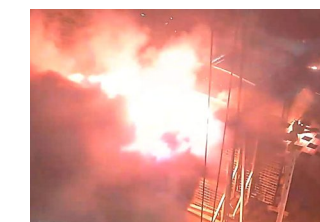
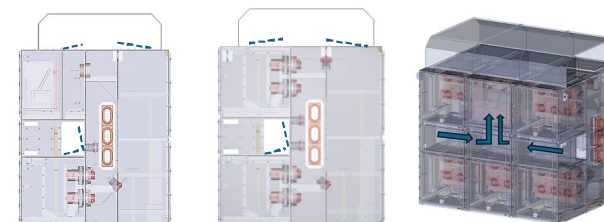
HV Cables exit from above or below, Surge arrester, Cable chimney channel , Zero-sequence CT.



| ARC RESISTANCE DESIGN

Arc resistance panels are designed to protect the personnel from the accident of an internal arc fault.

The arc pressure and flame generated inside the panel can be conducted out of the panel through the arc plenum.

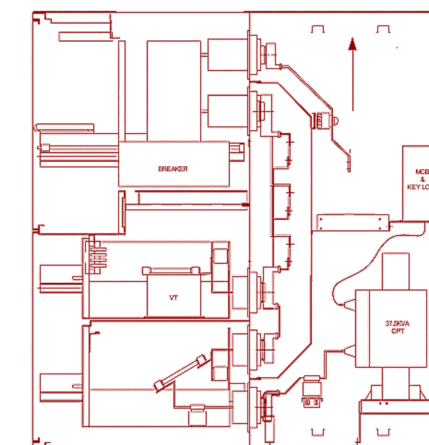


| UL RECOGNIZED COMPONENT

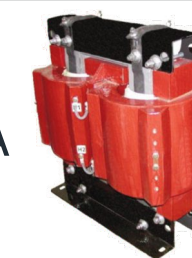
CT



VT



CPT >15kVA

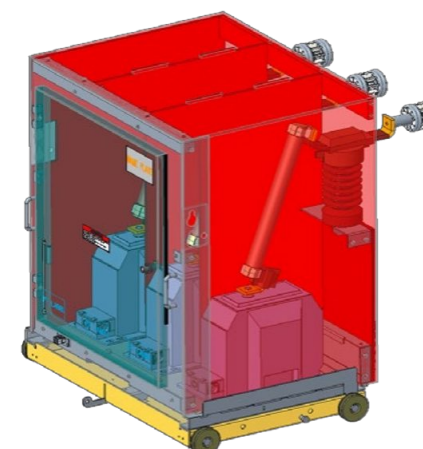


CPT ≤15kVA

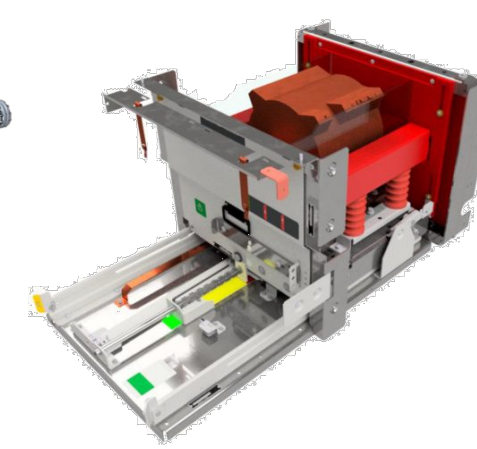


| FUNCTIONAL TRUCK

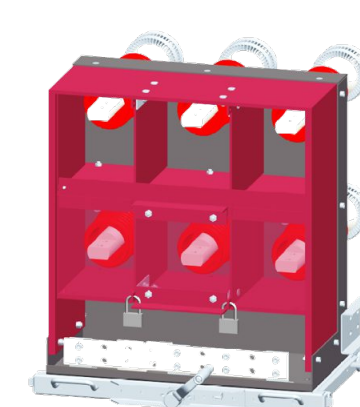
VT Truck



CPT Truck

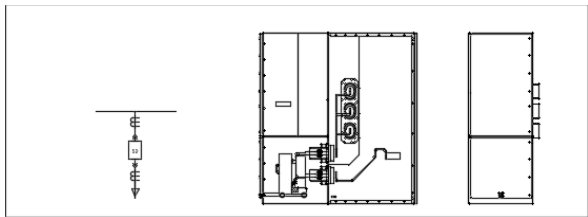


G&T Truck

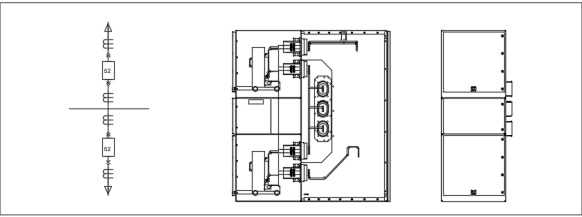


| TYPICAL SINGLE LINE DIAGRAM AND LAYOUT

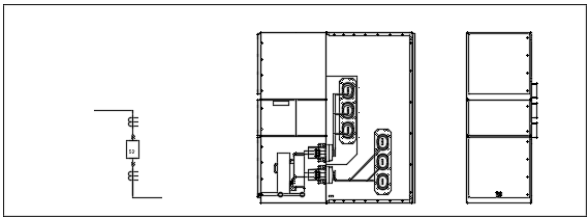
Incoming



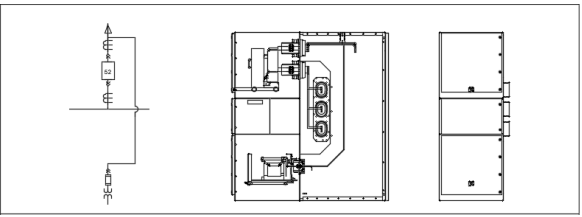
Feeder



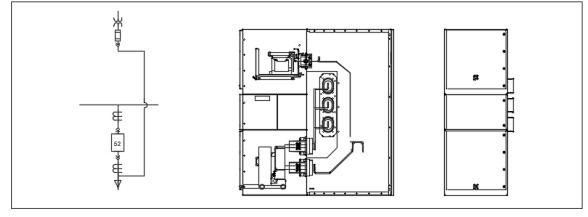
Bus-tie



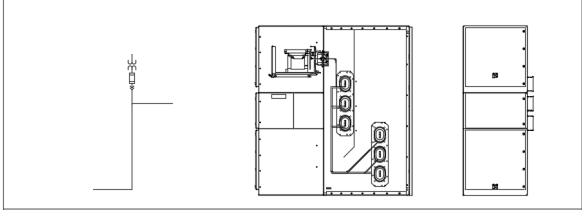
Feeder with Lower line side VT



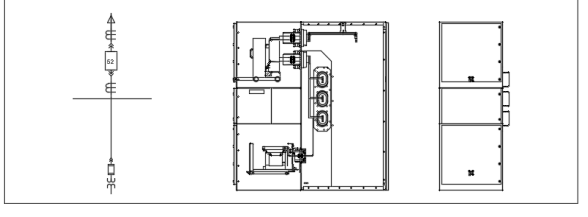
Feeder with upper line side VT



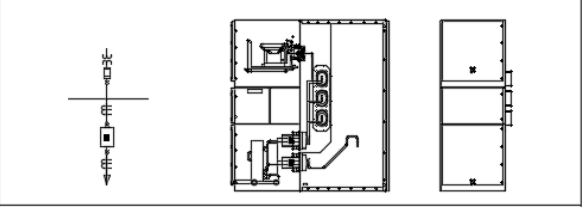
Bus-riser



Feeder with Lower Bus side VT



Feeder with upper Bus side VT

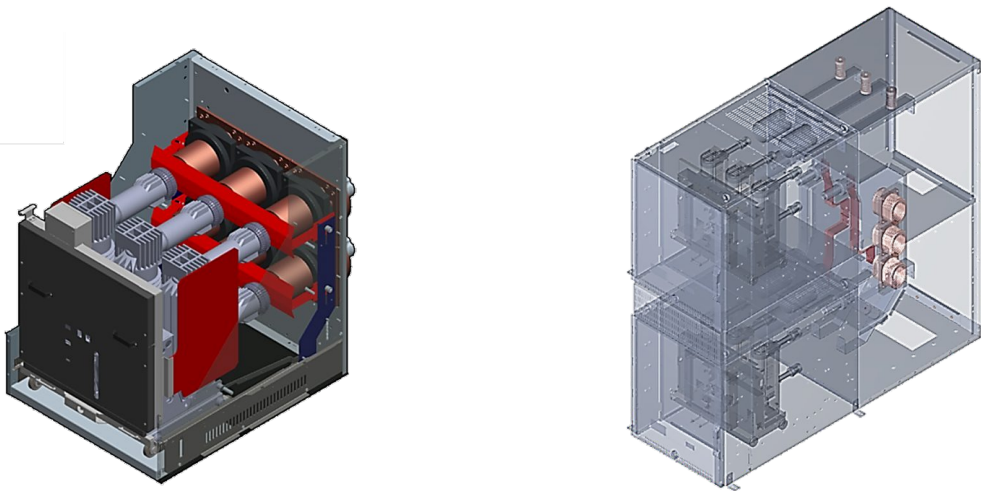
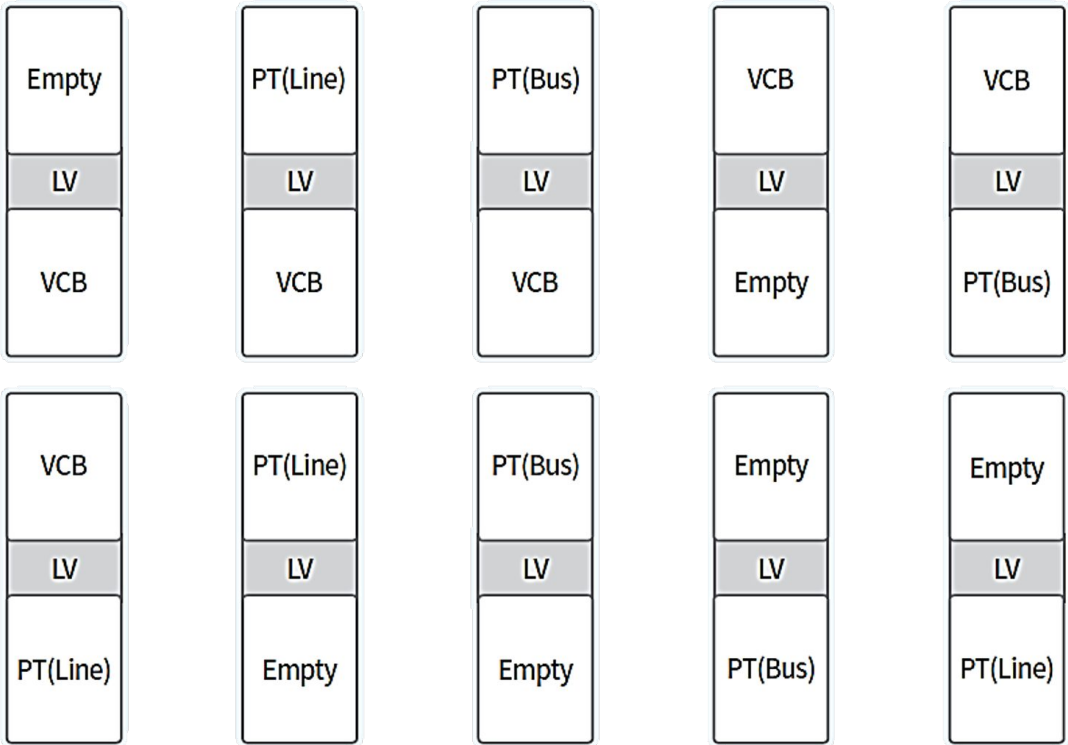


| 27 KV CONFIGURATION, DIMENSIONS AND RATINGS

Application	Rate voltage (kV)	Dimension in (mm)			Weight
		Width	Height	Depth	Lb. (kg)
NEMA 1/2	27	36(914)	105(2667)	100(2540)	2000(908)

| 27 KV CONFIGURATION AND ENCLOSURE VIEWS

Indoor, outdoor and arc resistant enclosures.
2-high breaker-over-breaker configurations available up to 27 kV.
Narrow compact design.
Arc-resistant switchgear in accordance with EEMAC G14.1. Type 2 and 2B tested in accordance with the IEEE C37.20.7.
All doors and covers providing access to high-voltage components are properly closed and latched.
A viewing window is provided on the door.
Allows operator to open/close and move device between connect, test and disconnect from outside the arc flash boundary.

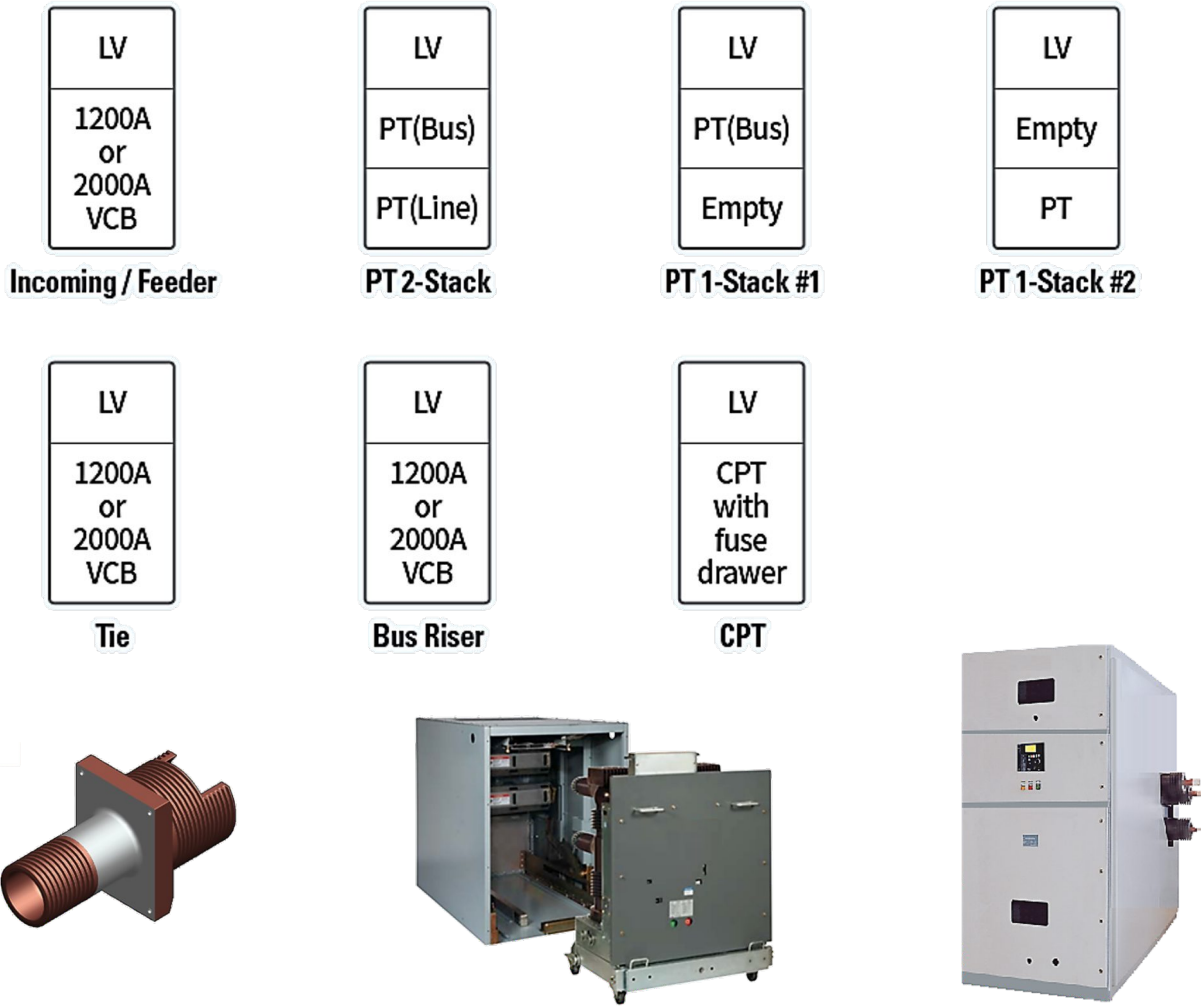


| 38 KV CONFIGURATION, DIMENSIONS AND RATINGS

Application	Rate voltage (kV)	Dimension in (mm)			Weight
		Width	Height	Depth	Lb. (kg)
NEMA 1/2	38	42(1066)	110(2794)	120(3048)	2200 (999)

| 38 KV CONFIGURATION AND ENCLOSURE VIEWS

Roll-on-floor design.
Designed to accommodate up to six front-access current transformer C200s per phase.
Automatic secondaries.
Features increased dielectric strength with solid insulation that is encapsulated in epoxy resin material, eliminating live conductors in the breaker cell.
Well-suited for special environment conditions, such as high altitude, light shock,



| DESIGN VALIDATE AND TYPE TEST

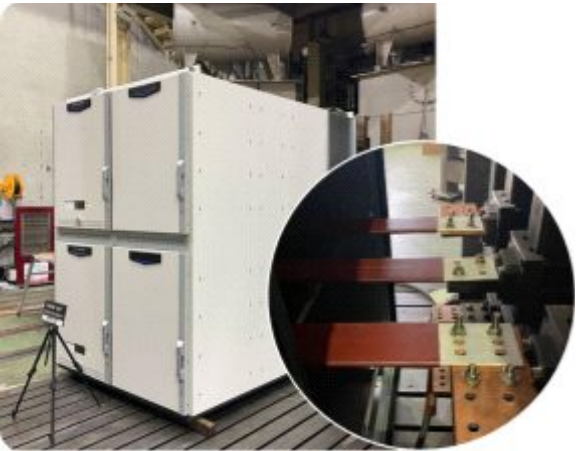
Dielectric test



Rated continuous current tests
(Temperature rise test)



Short-time withstand current &
peak withstand current test



Mechanical endurance



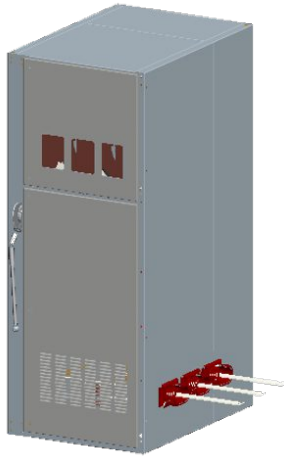
Enclosure and ventilation opening test



Internal arcing faults test



MEDIUM VOLTAGE SWITCHGEAR -
IEEE/UL FP-MES



FP-MES LS/R
(Load break switch W/O fuse)

5/15kV ~25kA ~600/1200A
27kV ~20kA ~600A
38kV ~20kA ~600A
None arc resistance
Indoor/ Outdoor
5/15 Basic frames are 38" wide,
95" high and 85" deep.
19", 38" or 57" tall.



FP-MES FCB
(Switch Over Breaker)

UL 5/15kV ~40kA ~3000A
UL 27kV ~31.5kA ~3000A
None arc resistance
Load switch and fix breaker
Full interlock between switch
and breaker



FP-MES DCB
(Draw out VCB)

5/15kV ~31.5kA ~2000A
27kV ~31.5kA ~2000A
None arc resistance
Protect relay integrated,
Remote control
High mechanical/ electric
endurance

PRODUCT DESCRIPTION

FP-MES LIS load interrupter switchgear, featuring the advanced interrupting technology of the VersaRupter switch, provides dependable, economical load switching and protection for medium voltage applications from 2.4 kV through 38 kV in 600 A to 1200 A load ratings.

MES switchgear consists of a two position (open, closed), three-pole, gang-operated, air interrupter switch utilizing two different style mechanisms for both closing and opening functions. The K-mechanism is a single spring snap action device. The switch opens or closes by charging the spring past dead center using a manual operating handle.

FP-MES switchgear also available Switch Over Breaker and withdrawable breaker functional solution for capacitor switching, high duty cycle and tight system coordination protection.

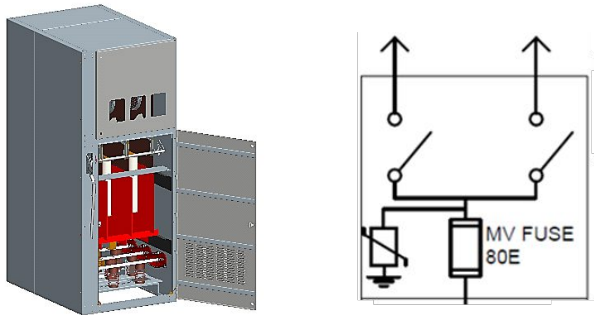
TECHNICAL PARAMETERS

Item	Unit	Value		
Rated voltage	kV	15	27	38
Rated frequency	Hz	60		
Rated current	A	1200/2000/3000/4000	1200/2000/3000	1200/2000/3000
Rated power freq withstand voltage(1min) Phase-to-phase and phase-to-earth	kV	36	60	80
Rated lightning impulse withstand voltage Phase-to-phase and phase-to-earth	kV	95	125	150
Rated short time withstand current	kA	20/25/31.5/40	20/25/31.5/40	31.5/40
Rated peak value withstand current	kAp	52/65/82/104	52/65/82/104	82/104
Rated duration time for short-circuit	s	2	2	2
Enclosure protection		NEMA 1/2		

FUNCTION AND FEATURES

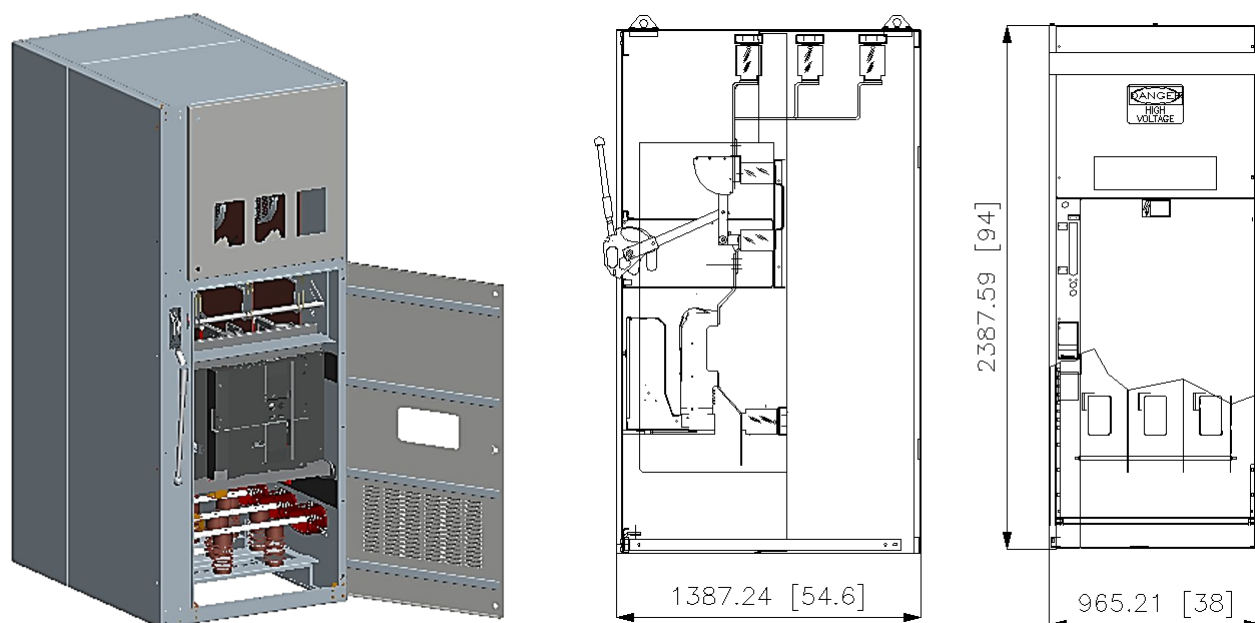
FP-MES LS/R

- The three-pole load break switch provides fast-make, fast-break operation to interrupt rated load current. Optional fuses provide reliable short-circuit protection for medium-voltage circuits requiring safe and dependable switching performance.
- Visible isolation for enhanced safety.
- Available with fused or non-fused configurations.
- Indoor or outdoor non-walk-in enclosures.
- Manual or motor-operated operation.
- Single switch and transformer primary switch options.
- Duplex arrangements for alternate power feeds.
- Manual no-load selector switches for source selection.
- Lineups with main bus and automatic transfer control systems.



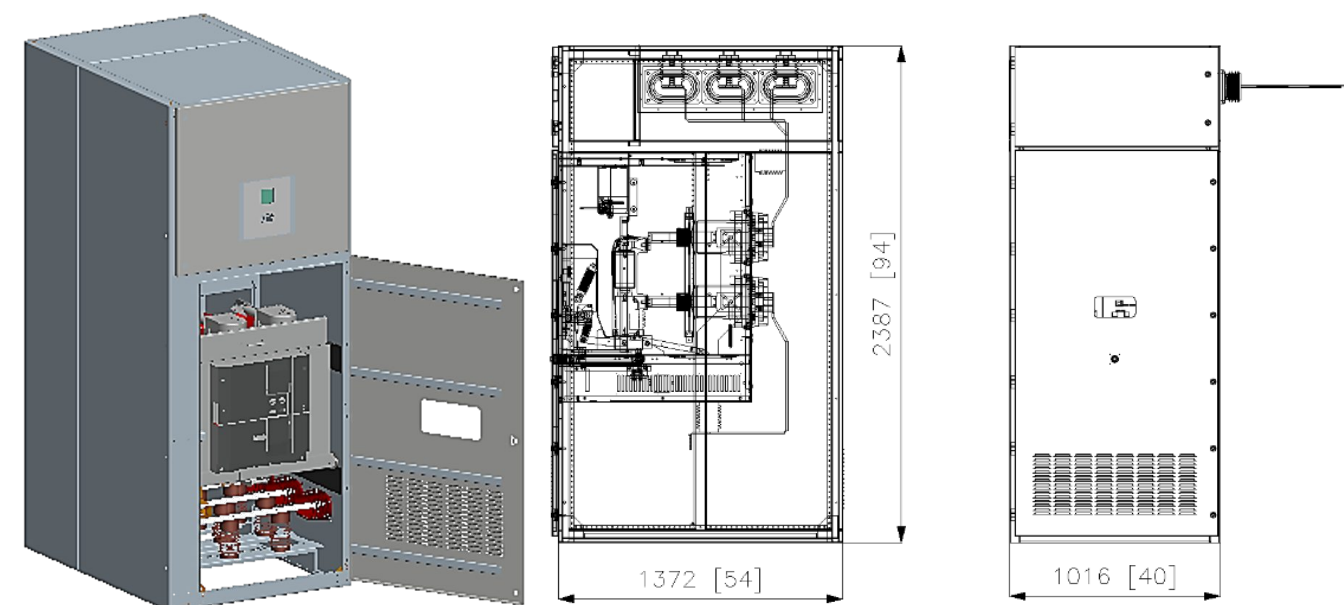
| FP-MES SOB (SWITCH OVER BREAKER)

- Applications include ground fault protection, primary and/or secondary switching and protection on unit substations, automatic transfer switching at medium voltage levels, capacitor switching, high duty cycle and tight system coordination protection.
- Low resistance ground schemes.
- Single-ended substation designs.
- Overcurrent protection.
- Visible isolation.
- Fully rated fixed vacuum circuit breaker.
- Electrical operation.
- No fuses.
- Improved coordination capability.
- Improved transformer protection.
- Ground fault protection.
- Capacitor switching.
- High switching duty cycle.
- Integral overcurrent protection.

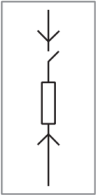
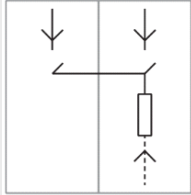
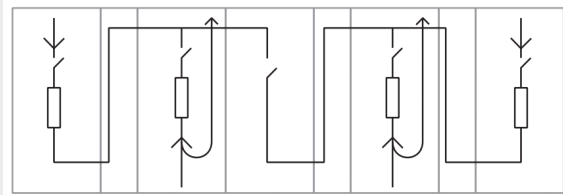


| FP-MES DCB (DRAW OUT VCB)

- Applications include ground fault protection, primary and/or secondary switching and protection on unit substations, automatic transfer switching at medium voltage levels, capacitor switching, high duty cycle and tight system coordination protection.
- Low resistance ground schemes.
- Single-ended substation designs.
- Overcurrent protection.
- Fully rated drawout vacuum circuit breaker.
- Electrical operation.
- Improved coordination capability.
- Improved transformer protection.
- Ground fault protection.
- Capacitor switching.
- High switching duty cycle.
- Integral overcurrent protection.



SINGLE-LINE DIAGRAMS AND DIMENSIONS

Typical function	Single	Duplex	Line-up (Main-tie-main)
Single line diagram			
Dimension (in) indoor	38x50x90	72x50x90	90x50x90
Dimension (in) outdoor	38x60x99	72x60x99	90x60x99
Rated current (A)	1200	1200	1200

INTERNAL SWITCHING DEVICES AND STANDARDS

UL RECOGNIZED COMPONENT

Load interrupter switches
IEEE Standard C37.20.4
ANSI C37.58

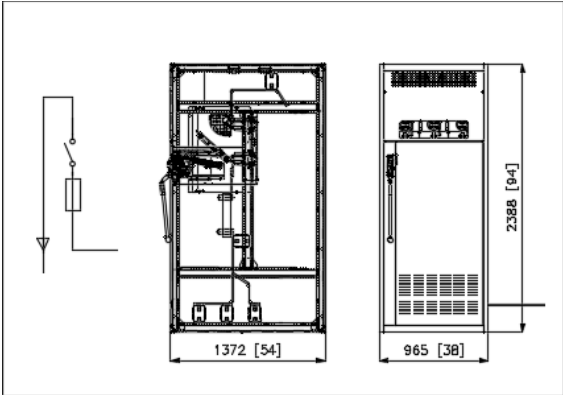
E-Rated fuse links
ANSI C37.46
5 - 200E

AC High-Voltage Circuit Breakers
C37.04™
C37.06™
C37.09™

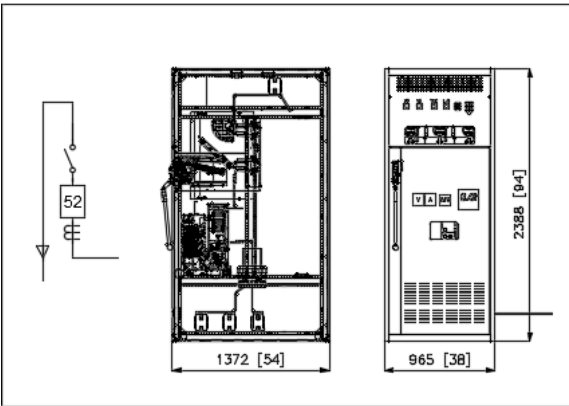


TYPICAL SINGLE LINE DIAGRAM AND LAYOUT

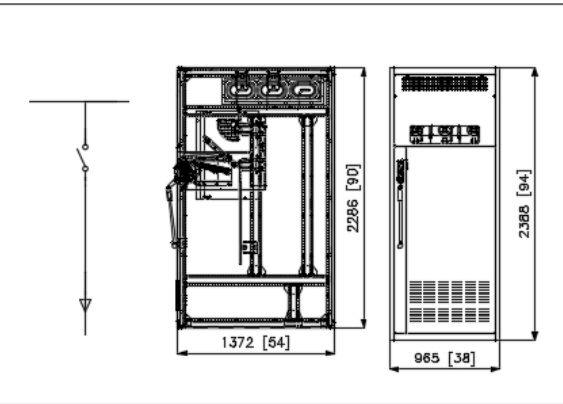
Single LSW & Fuse



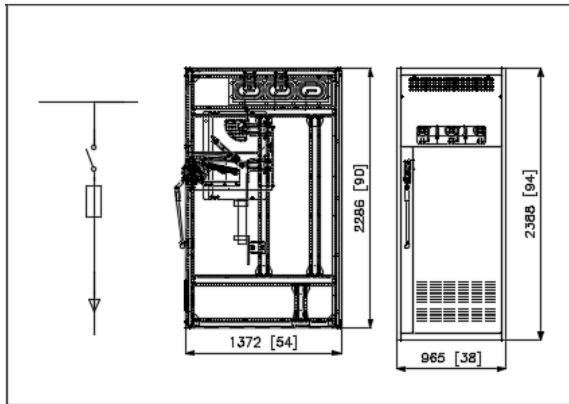
Single LS & CB



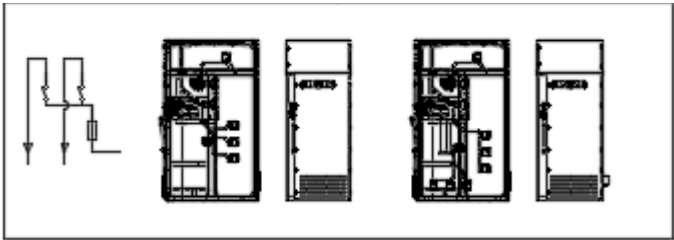
Line-up LSW



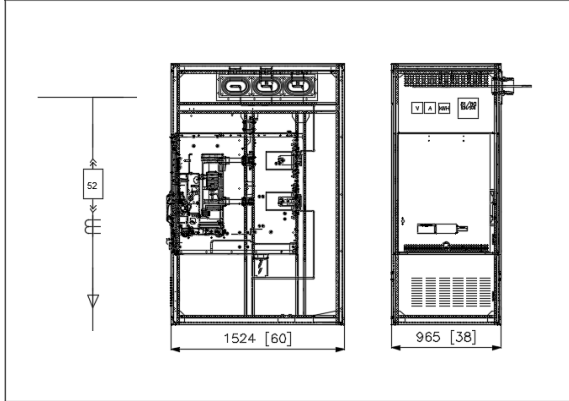
Line-up LSW & Fuse



Duplex



Line-up D/O VCB



MEDIUM VOLTAGE SWITCHGEAR - IEEE/UL FP-MGS



PRODUCT DESCRIPTION

FP-MGS gas-insulated metal-enclosed switchgear is an integrated assembly of SF6 pressurized tanks, bus and disconnect switches that are coordinated electrically and mechanically for medium-voltage circuit protection. Horizontal bussing uses a solid shielded insulation system.

FP-MGS C-GIS compact switchgear provides centralized control and protection of medium-voltage power equipment and circuits in data center, industrial, commercial and utility installations involving generators, motors, feeder circuits, and transmission and distribution lines. FP-MGS compact switchgear is an integrated assembly of switches, bus and vacuum circuit breakers. All structures use single-high breaker arrangements.

FP-MGS RMU are perfectly coordinated to meet medium-voltage electrical distribution requirements. designed, manufactured, and tested in accordance with the ANSI standards.

RMU AND C-GIS RATINGS AND STANDARDS

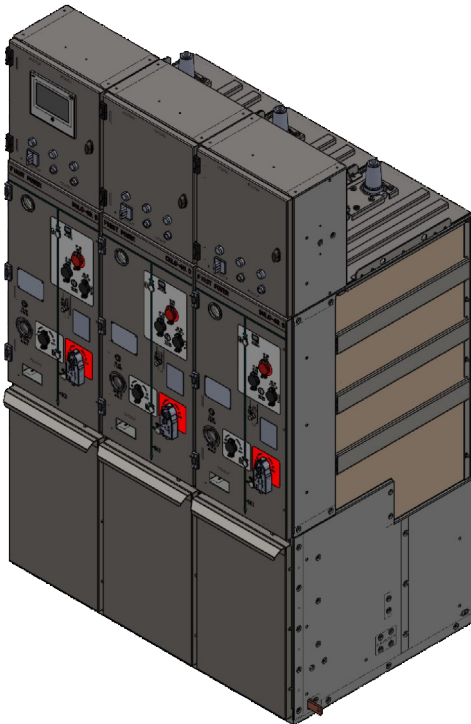
ANSI standard	C37.04-2008 IEEE Standard for ratings and requirements for AC High-Voltage circuit breakers with rated maximum voltage above 1000V C37.09-2010 IEEE Standard test procedures for AC High-Voltage circuit breakers with rated maximum voltage above 1000V C37.20.9-2019 IEEE Standard for Metal-Enclosed switchgear rated 1 kV to 52 kV incorporating gas insulated systems	C37.54-2002 Indoor AC High-Voltage circuit breaker applied as removable elements in Metal-Enclosed Switchgear - Conformance test procedures C37.57-2003 Switchgear - Metal-Enclosed interrupter Switchgear Assemblies - Conformance Testing C37.58-2010 Switchgear - Indoor AC Medium-Voltage switches for use in Metal-Enclosed Switchgear- Conformance test procedures C37.010-1999 IEEE Guide for AC High-Voltage Circuit Breakers > 1000 Vac rated on asymmetrical current basis
Other	IEEE-1247-2005 IEEE Standard for interrupter switches for alternating current, rated above 1000V	IEC 62271-200 NFPA 70/NEC - National Electrical Code

FP-MGS RMU& CGIS

IEEE C37.20.9
Rated Voltage: 5~38kV
Rated current: up to 3000 A
Breaking current: up to 40 kA

RMU CABINET RANGE AND APPLICATION

- Designed, manufactured, and tested in accordance with the following ANSI standards.
15/27/38kV, 600A, 20kA, 150kV BIL.
- SF6 Gas Insulated, metal-enclosed switchgear, Indoor /Outdoor application.
- Compact for installation in wind farm turbines and MV transformer substations.
- Largest modular unit only 24" wide.
- Sealed-for-life, reduced-maintenance circuit breaker and bus bar compartments.

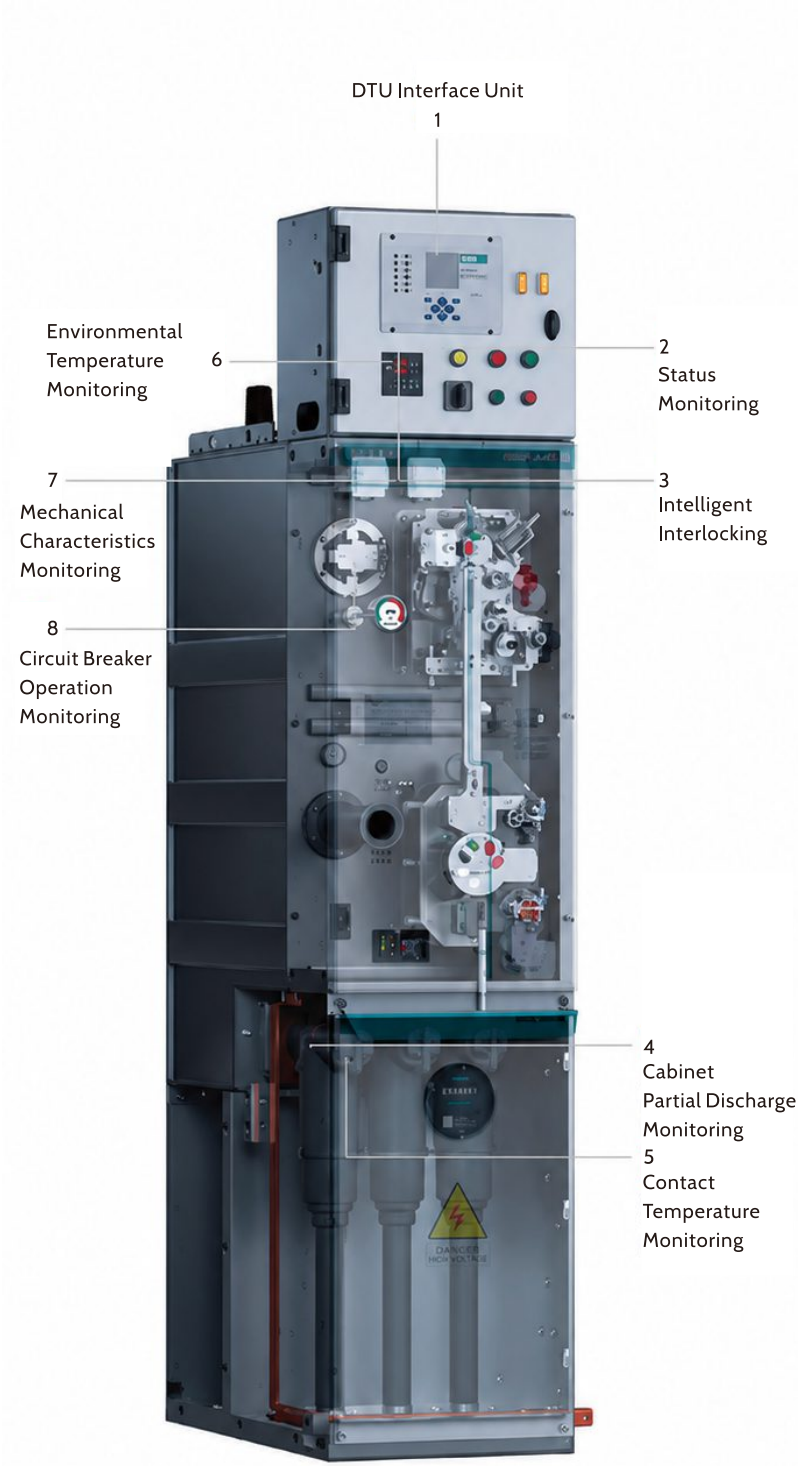


38 KV RMU TECHNICAL PARAMETERS

Item	Load break switch unit	Breaker Unit
Rated voltage	38kV	
Rated frequency	50/60 Hz	50/60 Hz
Rated current	600 A	600 A
Rated power freq withstand voltage(1min)	80 kV	
Rated lightning impulse withstand voltage (kV peak)	150 kVp	
Rated short-circuit making current(I _{ma})	52kApeak	52kApeak
Rated short time withstand current (main circuit)	25kA – 4s	25kA – 4s
Rated short-circuit breaking current		25 kA
Rated peak value withstand current	52 kAp	52 kAp
Electrical Endurance Capability class	E2	E2
Minimum SF6 Gas pressure at 20℃	0. 02MPa-relative	
Rated SF6 Gas pressure at 20℃	0. 04MPa-relative	
Mechanical life operations for load switch/Earthing switch	5000/3000 Operations	
Mechanical life operations for VCB/3P		10000/2000 Operations
Protect degree of enclosure	IP4X NEMA 1/2/3R	
Protect degree of gas tank	IP67	

COMPREHENSIVE HEALTH MANAGEMENT

Mobile APP remote access “One-Click Maintenance” fast response 7x24 professional service



1 DTU INTERFACE UNIT

- Remote Communication and Control
- Fault Detection and Protection
- Data Collection and Transmission
- Event Recording and Alarm Management

2 STATUS MONITORING

- High-Voltage Band Indication
- Switchgear Health Status Indication
- Grounding Switch Status Indication
- Circuit Breaker Status Indication

3 INTELLIGENT INTERLOCKING

- Intelligent Interlock Operation Indication
- Motor /Close Coil Circuit Monitoring
- Mechanical Anti-Misoperation
- Energy Storage Status Indication

4 CABINET PARTIAL DISCHARGE MONITORING

- Online PD Monitoring
- Ultrasonic PD Detection
- Insulation Defect Identification
- Partial Discharge Location Analysis

5 CONTACT TEMPERATURE MONITORING

- Temperature Real-Time Monitoring
- Contact Aging Evaluation
- Over-Temperature Alarm
- Fault Early Warning

6 ENVIRONMENTAL TEMPERATURE MONITORING

- Ambient Temperature Monitoring
- Cabinet Internal Temperature Control
- Intelligent Ventilation Control
- Automatic Heating Control

7 MECHANICAL CHARACTERISTICS MONITORING

- Operating Times Counting
- Operating Speed Monitoring
- Opening / Closing Time Monitoring
- Comprehensive Health Assessment

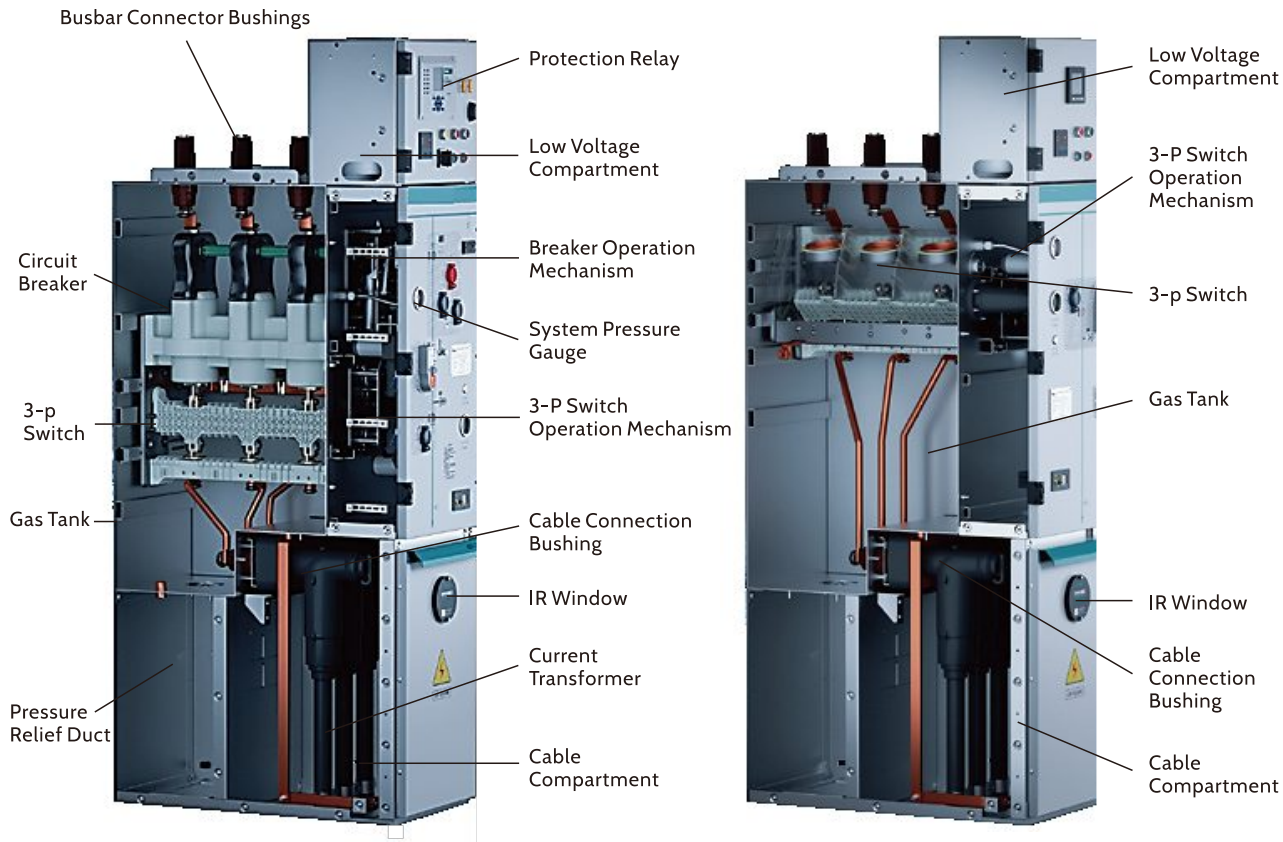
8 CABINET VIDEO RECOGNITION

- Circuit Breaker Visual Recognition
- AI Intelligent Recognition
- Interlock Status Visual Recognition
- Fault Automatic Alarm

| 38KV RMU DIMENSION AND CONSTRUCTION

Circuit Breaker Unit Internal Layout

Load Switch Unit Internal Layout

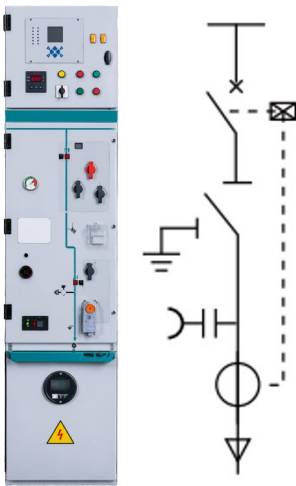


| CABLE COMPARTMENT

The cable compartment is used to connect and fix power cables. It fully complies with the requirements of DIN EN 50181: 1998, M1 classification, arc fault IAC AFL 20 kA 1s. The cable compartment adopts an independent pressure relief structure, and the gas is discharged upward. The standard cable connection height is not less than 600 mm.

| MAIN FUNCTIONAL UNITS

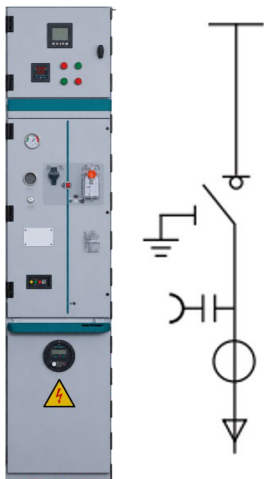
Circuit BreakerUnit



Left/Right Extension :450 mm

Item	Unit	Specification
Rated voltage	kV	38
Power-Frequency withstand voltage	kV	95/118
Lightning impulse withstand voltage	kV	190/220
Rated current	A	630
Rated short-circuit breaking current	kA	20(25)
Rated short-circuit making current	kA	50(63)
Rated short-time withstand current	kA/s	20/4(25/4)
Mechanical life	Operations	Circuit Breaker: 10,000/ Isolator: 5,000 / Earthing Switch: 5,000

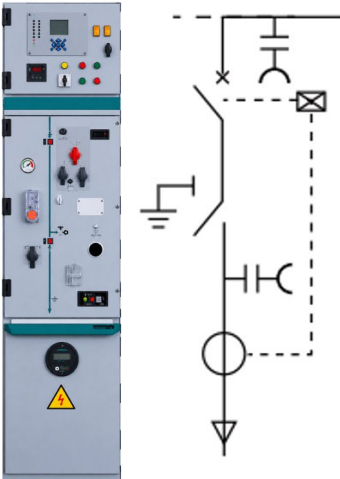
Load Switch Unit



Left/Right Extension: 450 mm

Item	Unit	Specification
Rated voltage	kV	38
Power-frequency withstand voltage	kV	95/118
Lightning impulse withstand voltage	kV	190/220
Rated current	A	630
Rated peak withstand current	kA	50(63)
Rated short-time withstand current	kA/s	20/4(25/4)
Mechanical life	Operations	Load Switch: 5,000/ Earthing Switch: 5,000

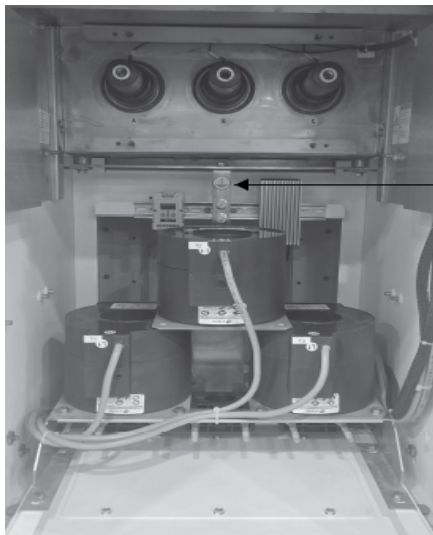
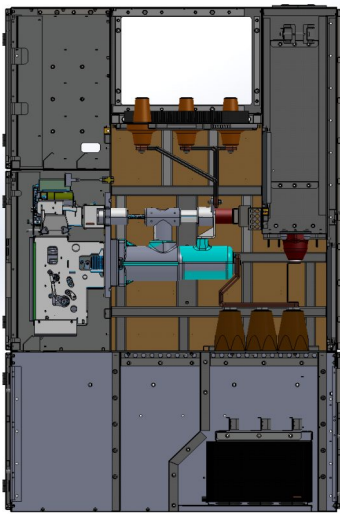
Circuit Breaker Unit
(Busbar Grounding)



Left/Right Extension :450 mm

Item	Unit	Specification
Rated voltage	kV	38
Power-frequency withstand voltage	kV	95/118
Lightning impulse withstand voltage	kV	190/220
Rated current	A	630
Rated short-circuit breaking current	kA	20(25)
Rated short-circuit making current	kA	50(63)
Rated short-time withstand current	kA/s	20/4(25/4)
Mechanical life	Operations	Circuit Breaker: 10,000/ Isolator: 5,000 / Earthing Switch: 5,000

MEDIUM VOLTAGE SWITCHGEAR - IEEE/UL FP-C-GIS



PRODUCT DESCRIPTION

The C-GIS (Compact Gas Insulated Switchgear) is an advanced medium-voltage power distribution solution designed for high reliability, operational safety, and compact installation requirements. Utilizing gas-insulated technology, the system integrates key electrical components within a sealed metal enclosure, providing superior insulation performance and environmental protection for modern power networks.

Engineered with a compact modular structure, the C-GIS system significantly reduces installation space while ensuring stable and efficient power distribution. It is suitable for indoor substations, industrial facilities, renewable energy projects, commercial buildings, and utility distribution networks.

38 KV C-GIS TECHNICAL PARAMETERS

Item	Unit	Rating
Rated voltage	kV	38
Rated frequency	Hz	60
Rated current	A	1200/2000/3000
Rated power freq withstand voltage(1min) Phase-to-phase and phase-to-earth	kV	80
Rated lightning impulse withstand voltage Phase-to-phase and phase-to-earth	kV	150
Rated short time withstand current	kA	31.5 、 40
Rated peak value withstand current	kAp	82
Rated duration time for short-circuit	s	Per approved project specification
Insulating gas		SF6
Rated gas pressure (ABS, 20°C)	MPa	0.12
Alarm pressure (ABS, 20°C)	Mpa	0.11
Minimum operating pressure (ABS, 20°C)	Mpa	0.10
Dew point value	°C	≤-30
Internal arc rating for 1sec	kA	31.5 、 40
Annual leakage rate	%	≤0.01

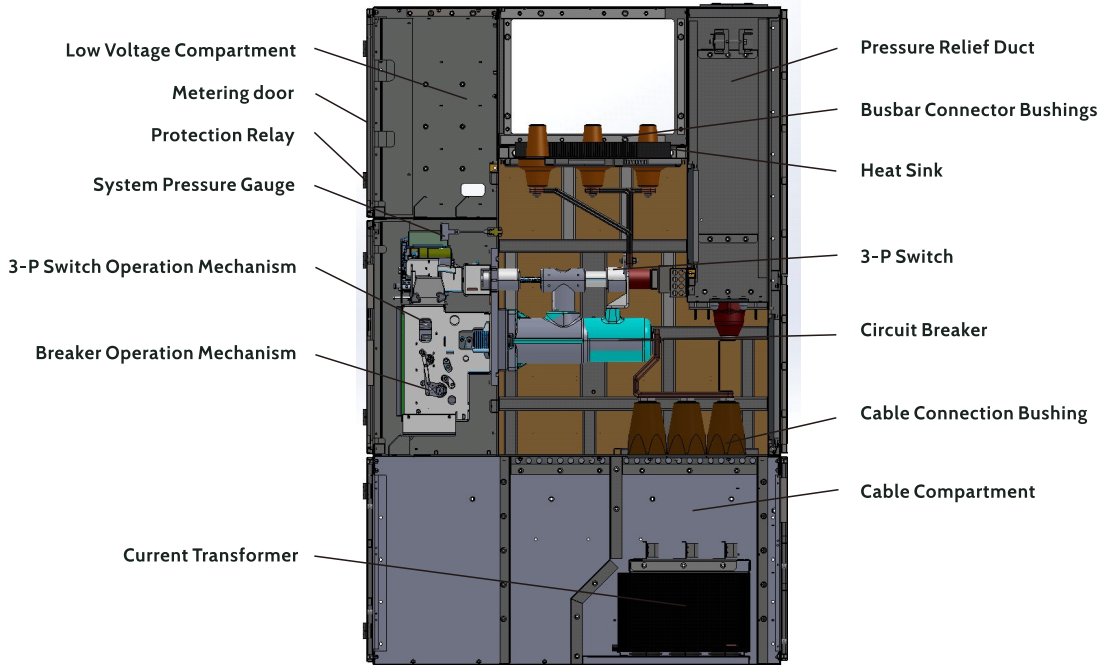
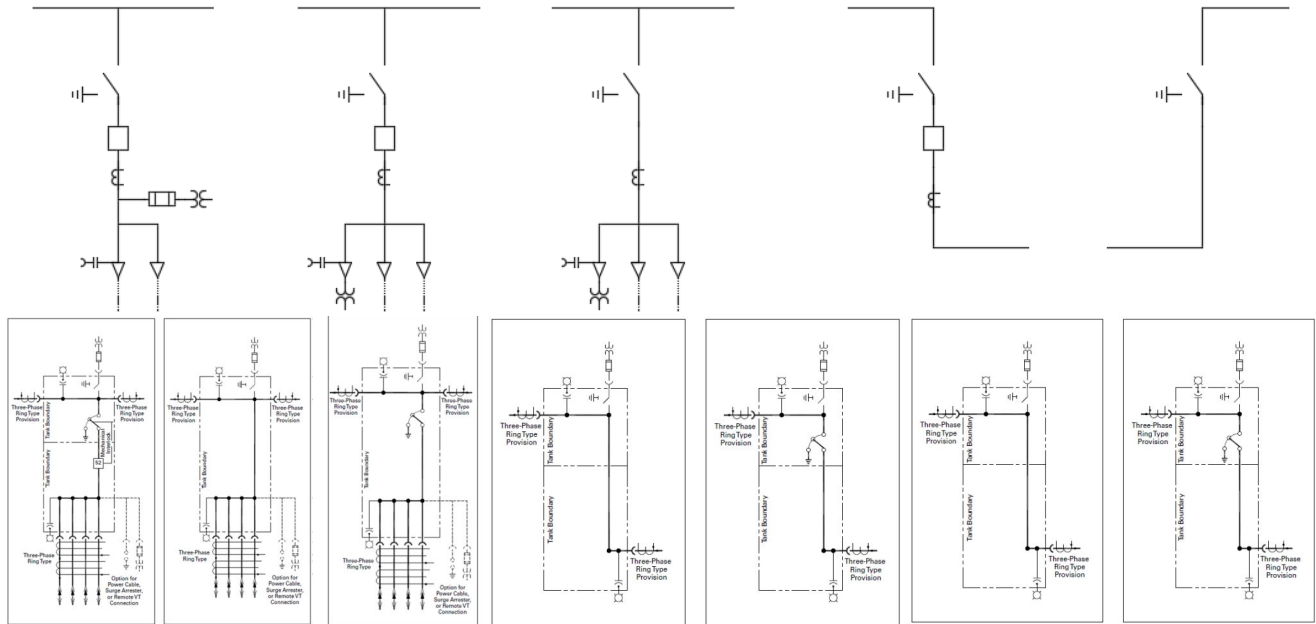
C-GIS CONSTRUCTION AND OPERATING FEATURES

- Compliant with ANSI/IEEE C37.20.9 and UL requirements, with ratings up to 38 kV, 3000 A, 40 kA, and 170 kV BIL.
- SF₆ gas-insulated, vacuum circuit breaker (VCB) metal-enclosed switchgear with a compact footprint and reduced installation space.
- Sealed high-voltage compartments isolate primary components from ambient conditions, ensuring stable performance in demanding environments.
- Stainless-steel gas tank with 3 mm wall thickness provides robust mechanical strength and reliable gas tightness.
- Reduced SF₆ volume and sealed-for-life circuit breaker and busbar compartments minimize environmental impact and routine maintenance requirements.
- Front-accessible design simplifies installation and servicing without routine gas handling.
- Camera-assisted visual monitoring provides clear indication of the disconnecter and earthing switch positions.
- Intelligent Gas Density Information System (IDIS) enables continuous gas-density monitoring.
- Three-position disconnecter with manual and motorized operation, supported by mechanical and electrical interlocking for safe operation.
- Mechanical position indicators provide clear status indication of the disconnecter and VCB.
- Pressure-relief flaps safely release excess pressure caused by internal arc faults.
- Silicone-rubber insulated busbar supports provide reliable insulation between adjacent panels.VCB technology confines arc interruption within the vacuum interrupter, enhancing operational safety.
- Integrated protection, control, monitoring, and communication functions provide flexible and reliable power system management.
- Protection rating: IP65 for gas compartments and IP4X for enclosures.
- Customized front-panel single-line diagrams provide clear visualization of the configured primary circuit.

C-GIS DIMENSIONS AND INTERNAL CONSTRUCTION

Rating(A)	Width(mm)	Depth(mm)	Heigh(mm)
1200/2000	600	1600	2500
2000/2500	800	1600	2500
3000	900	1600	2500

TYPICAL SINGLE LINE DIAGRAM



SF₆-FREE DRY-AIR CONFIGURATION

Insulation gas	Ur/PFWV/BIL (kV)	Max current	Dimension W x D x H (mm)	Pressure(rel) (Mpa)
Dry air	38/80/200	1200	800x1600x2500	0.02
		3000	1000x1600x2500	0.02

15/27/38kV PFWV 80kV, BIL 200kV

Continue current 3000A

Short time withstand current 40kA 3s, Peak withstand current 104kA

IAC C37.20.7 TYPE 2B 40kA 0.5s

Insulated gas: Dry air

Pressure(abs): 0.12MPa

LOW VOLTAGE DISTRIBUTION PRODUCTS

- UL CERTIFIED

LOW-VOLTAGE PRODUCT-LINE MATRIX

Standard	UL 1558	UL 891	UL 67		UL508A
Distinguish	FR-LSG LV Switchgear	FR-LSB LV Switchboard	FP-LPB Power Distribution Panelboard	FP-LPB-L Lighting and appliance Panelboard	FP-LCP industrial control panels
Feature	Primary of LV System CB, Main bus, Cable rooms are separated Front & Rear Access	Primary or Secondary of LV System Individual or Group mounted Front Access & Rear Access	Maximum of 1,200 A incoming current Flush mounted /surface mounted Front access		Protection, automation, and control for industrial and utility applications. Flexible enclosures & cabinet options: Indoor/outdoor cabinet UL-certified cabinets.
			Three- phase loads, Connected directly to a large 3 phase piece of equipment Three-phase feeder to a downstream panelboard.	Closest to the load and contains mostly single-phase over current devices feeding lights and receptacle	
Input voltage (Typical)	480 V (max 600 V)	480 V (max 600 V)	415, 480 V (max 600 V)	120, 240, 415, 480 V (max 600 V)	208/120 V, 480/277 V & 600/347 V 240 V, 480 V & 600 V
Output voltage (Typical)	480 V (max 600 V)	480 V (max 600 V)	415, 480 V (max 600 V) 3p	120, 240, 277 V (1p,3p)	208/120 V, 480/277 V & 600/347 V 240 V, 480 V & 600 V
Rated current (Typical)	... 6000 A	... 6000 A	250 - 1200 A	250, 400 A (max 600 A)	... 1000 A
Main CB	only ACB	ACB, MCCB	MCCB	MCB	MCCB
Branch CB	only ACB	ACB, MCCB	MCCB	MCB	MCCB
Branch CB connection	Withdrawable	Withdrawable or Fixed	Bolt on, Rail, Plug in	Bolt, Plug on (... 240V) Bolt on (above 415V)	Bolt
Data center matching	UL 1558 Front Access	UL 891 Front Access	PDU	RPP	NA

UL 1558 AND UL 891 COMPARISON

Item	UL1558	UL891
Circuit breaker	- Only ACB (UL1066) - Withdrawable	ACB+MCCB (UL489) Fixed or Withdrawable
Short circuit current	30cycle ×2times	3cycle
Accessibility(Door)	Front & Rear Access	Front Access : 70% M/S Rear Access : 30% M/S
TEST for Certi.	Mandatory for Insulation, Temperature, STC	If designed according to the standard, the test can be exempted
Arc resistance	AR function (Optional)	Non AR
Barrier	Circuit breakers, main bus lines, and cable rooms are separated (Perfectly Isolation)	No criteria for classifying separate compartments
UL file	When using compatible CB from other companies, unconditional testing is required	Compatible with other CB without testing
Positioning in System	Primary of LV System	Primary of Secondary of LV System

LV SWITCHGEAR - UL 1558 FP-LSG



PRODUCT DESCRIPTION

FP-LSG Switchgear is industrial-duty equipment built to ANSI standards and uses 100% rated Low Voltage Power Circuit Breakers. It is designed to have more margin within its ratings to provide maximum continuity of service for those applications subject to severe duty, such as repetitive switching encountered with motor starting, power factor correction, demand control, load shedding, etc.

A major factor contributing to this extended continuity of service is the availability of renewal parts complete with detailed maintenance instructions and original equipment documentation. From a coordination standpoint, Circuit breakers provide full selectivity with each other and with other protective devices. The bus sizing is based on temperature rise rather than on current density (as with switchboard construction).

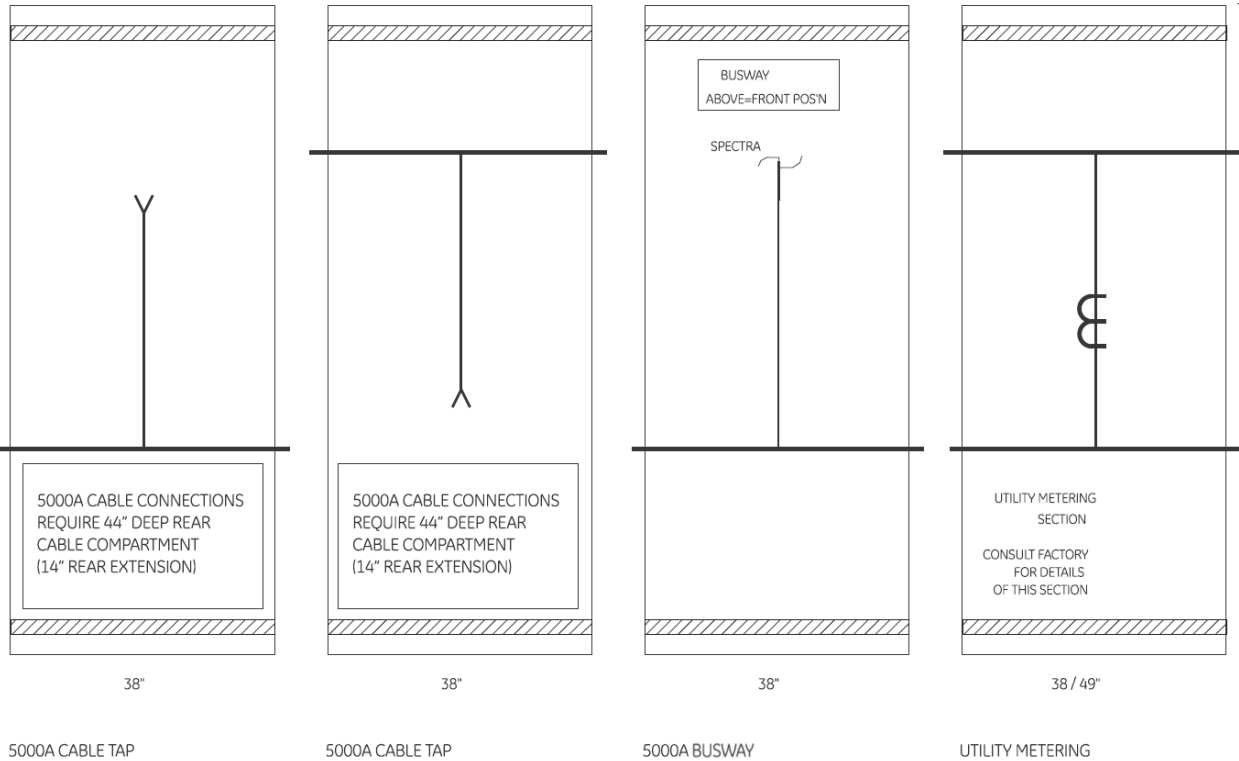
STANDARDS

- UL 1558 - Metal-Enclosed Low Voltage Power Circuit Breaker Switchgear
- ANSI C37.20.1 - Metal-Enclosed Low Voltage Power Circuit Breaker Switchgear

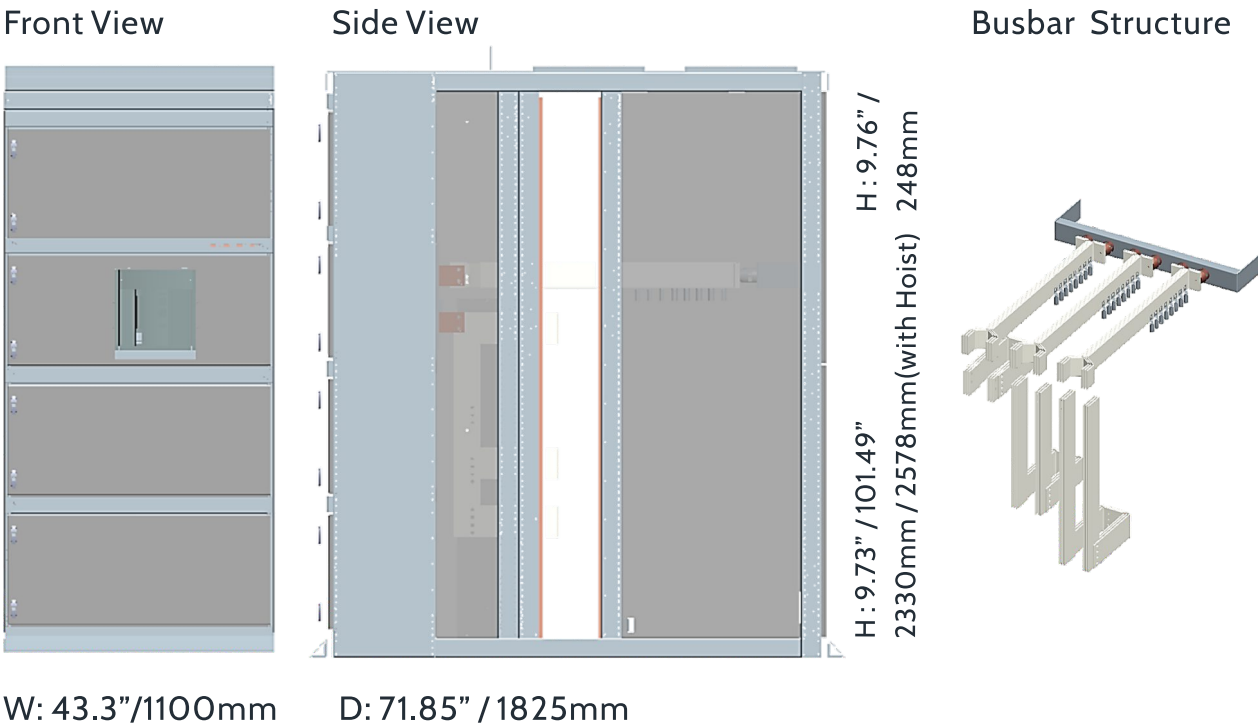
TECHNICAL SPECIFICATIONS

Frame types	LSG-4	LSG-2	LSG-1
ACB AF (A)	600\1000\1200\1600	800\1000\1200\1600\2000 2500\3200	3200\4000\5000\6000
Horizontal current (A)	Up to 6000		
Vertical current (A)	Up to 1600	Up to 4000	Up to 6000
Rated voltage (V)	254/508/635		
Rated frequency (Hz)	60		
Rated Short circuit current (Horizontal) (kA/s)	150 / 1		
Rated short circuit current (vertical)(kA/s)	65/1 149.5	85/1 195.5	100/1 230
AC withstand voltage (kV) 1min	2.2		
Arc resistance current Type 2B 100kA/0.5sec	100kA/0.5sec		
Size (W×D×H) inch	26×70×90	36×80×90	48×80×90
Number of circuit breakers /panel	4	2	1
Applicable standard	IEEE C37.20.1/UL1558/IEEE C37.20.7/ANSI C37.51		

REPRESENTATIVE SLD AND UTILITY-METERING ARRANGEMENTS

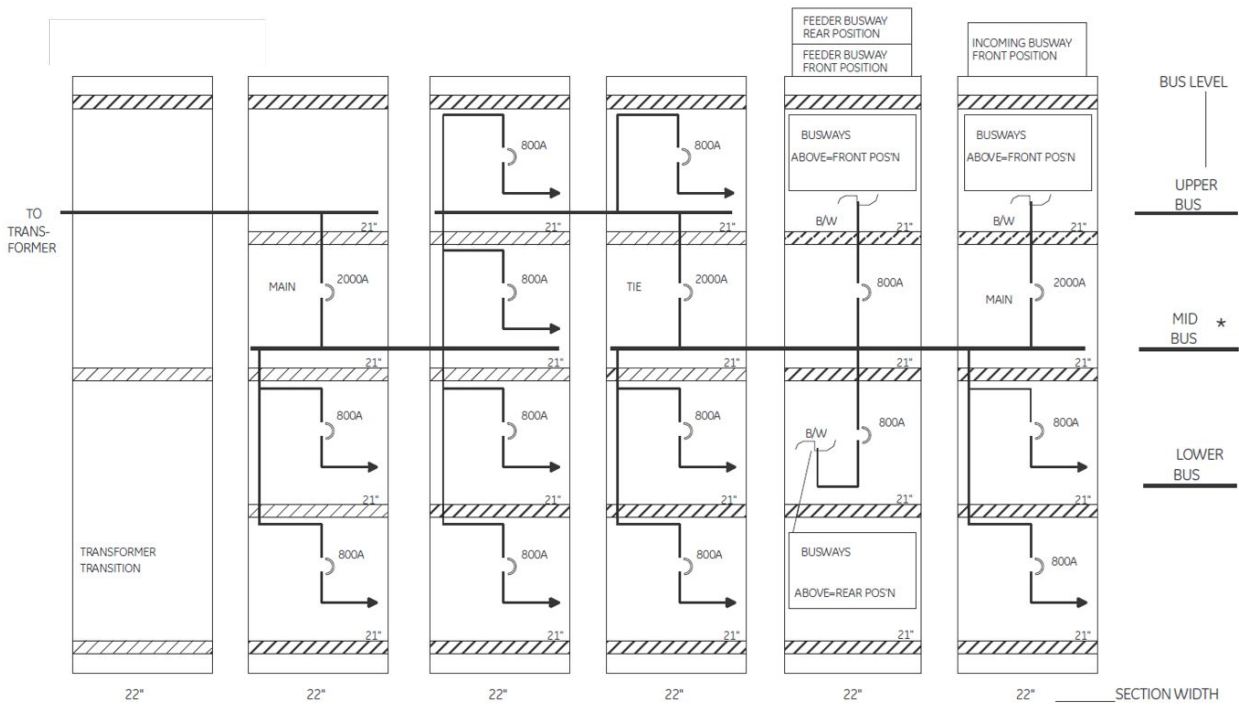


CABINET CONSTRUCTION AND DIMENSIONS

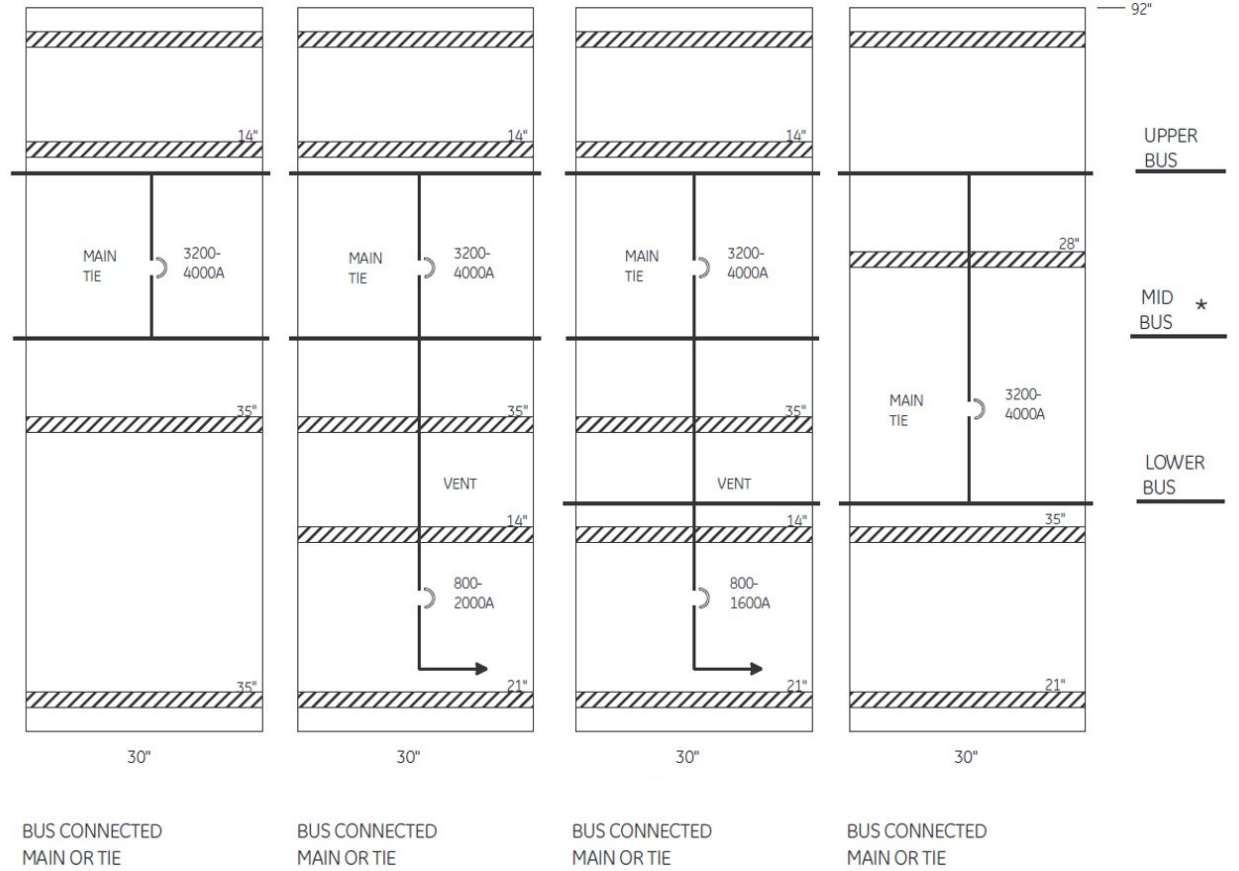


REPRESENTATIVE 22 IN SLD CONFIGURATIONS

REPRESENTATIVE SLD – SIX 22 IN CONFIGURATIONS



REPRESENTATIVE 30 IN SLD CONFIGURATIONS



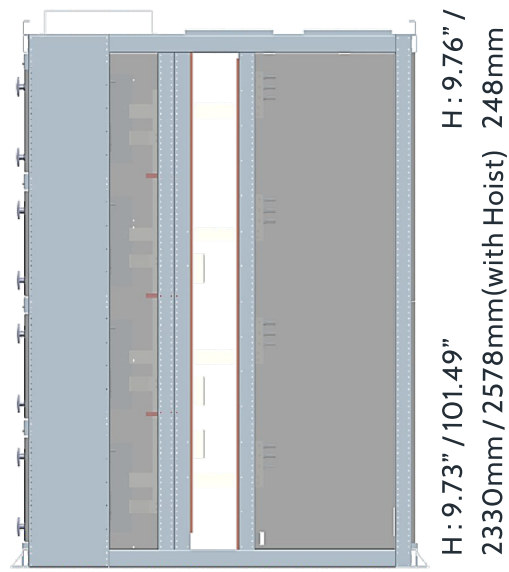
CABINET CONSTRUCTION AND DIMENSIONS

Front View



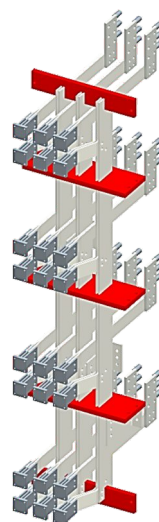
W: 22"/559mm

Side View



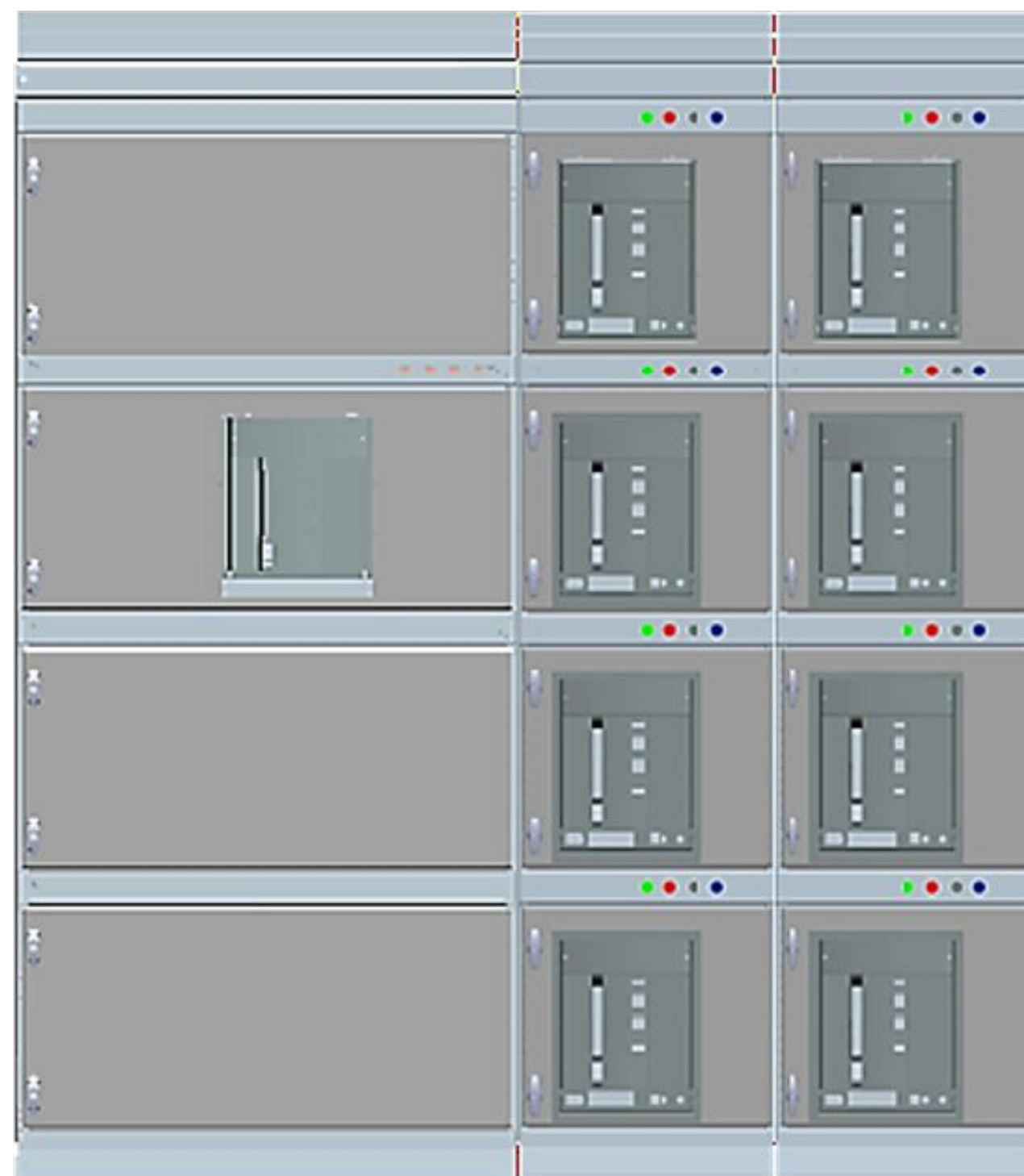
D: 62" / 1575mm

Busbar Structure



CORE FEATURES

- UL1558 Recognized – UL LISTED.
- Strong frame constructed of 11 GA(0.012"= up to 3.2t) steel.
- Rigid bolt together frame construction.
- True ANSI design and competitive dimensions.
- Standardized configurations of sections.
- Electrostatically deposited powder coat paint.
- High short circuit and bus withstand ratings (up to 150kA).
- High ampacity ratings for main and section bus (up to 6000A).
- Reversible door design, front and rear doors can be hinged on the right or left sides.
- Rear hinged doors or bolted cover.
- Overhead(Hoist) or floor lifting device for breakers.
- Provision for handling of sections by overhead lifting or lift truck.



LV SWITCHGEAR - UL 891 FP-LSB



PRODUCT DESCRIPTION

FP-LSB Switchboard offer a state-of the-art design that provides the high quality, safety and reliability long associated with group-mounted switchboards. FP-LSB Series Switchboards are designed and manufactured to meet the stringent First-Power internal standards along with NEMA, NEC, UL and cUL requirements.

FP-LSB Switchboards set the standard for functionality, flexibility, and rugged, durable construction. FP-LSB Series Switchboards build on this legacy and provide the foundation for power distribution systems wherever 24/7 reliability is an absolute necessity.

FP-LSB Switchboards accommodates the latest technology for people and property protection like Instantaneous Zone Selective Interlocking (I-ZSI) and Reduced Energy Let Through (RELT). In addition, the FP-LSB Series Switchboard features a robust enclosure designed for space efficiency and ease of installation.

CORE FEATURES

- Fully compliant with UL891 standards for North American electrical systems.
- Suitable for low-voltage power distribution applications up to 600V.
- Heavy-duty copper or aluminum busbar system.
- High short-circuit withstand and fault protection capability.
- Modular and compact cabinet design for easy installation and maintenance.
- Dead-front safety structure to enhance operator protection.
- Compatible with fixed or draw-out breaker configurations.
- Front and rear access options available.
- Supports power monitoring, metering, ATS, SPD, and intelligent control integration.
- Available for indoor or outdoor applications with multiple enclosure options.

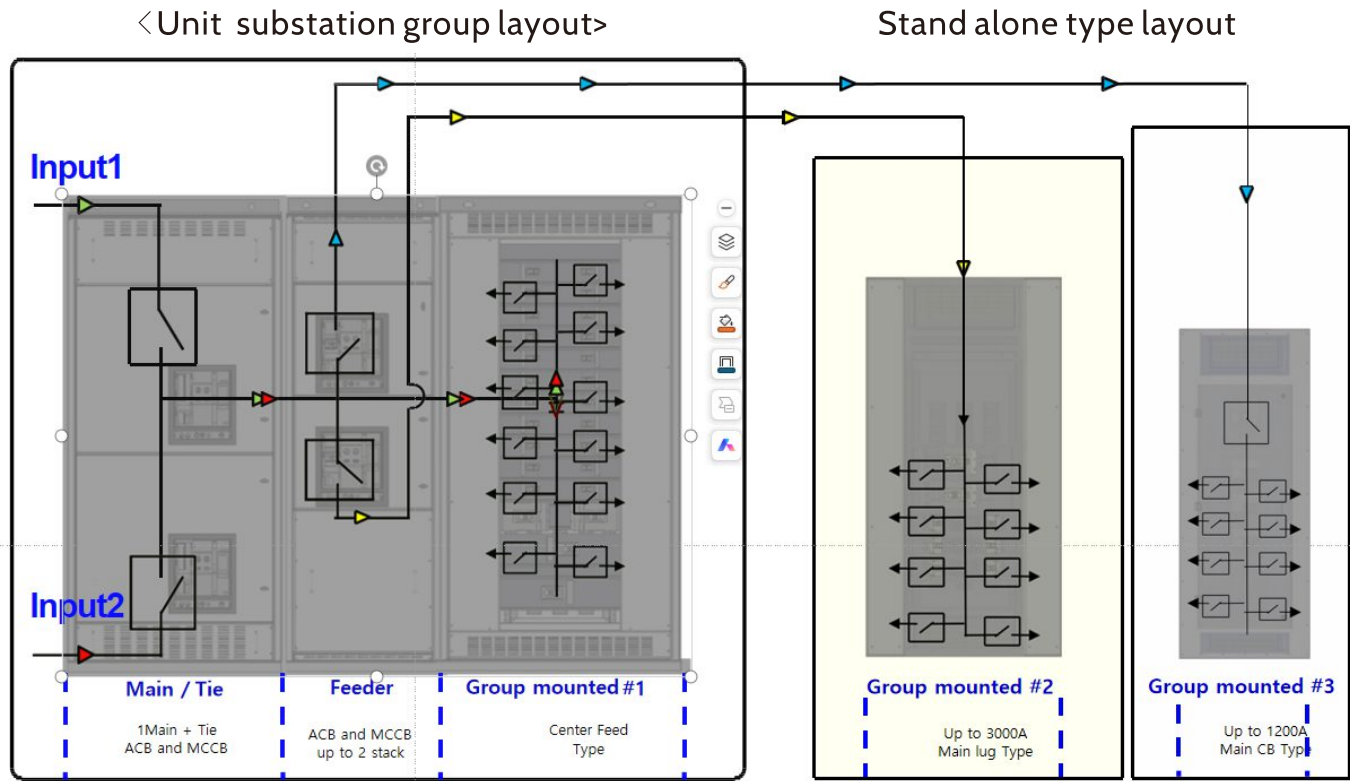
TECHNICAL SPECIFICATIONS – 1 / 2

Designation				FP-Electric			
				FP-LSB1-I	FP-LSB1-G	FP-LSB2-I	FP-LSB2-G
Access				Front (Mainly)		Rear only	Front & Rear
Main devices		ACB		800 - 4000A		800 - 6000A	
		MCCB		800 - 1200A			
Feeder devices		ACB		800 - 4000A		800 - 6000A	
		MCCB		800 - 1200A	100 - 1200A		100 - 1200A
S.C Withstand current	Up to 100 kA @480 V						
Main bus ampacity (Lug)				Up to 4000A		Up to 6000A	
Cable entry	Top/bottom both side available						
Rated operating voltage	Up to 480V						
Enclosure size [in.]	Width	MCCB	800-1200AF	26	42/50		42/50
		ACB_D	800-1600AF	26	42/50	32	42/50

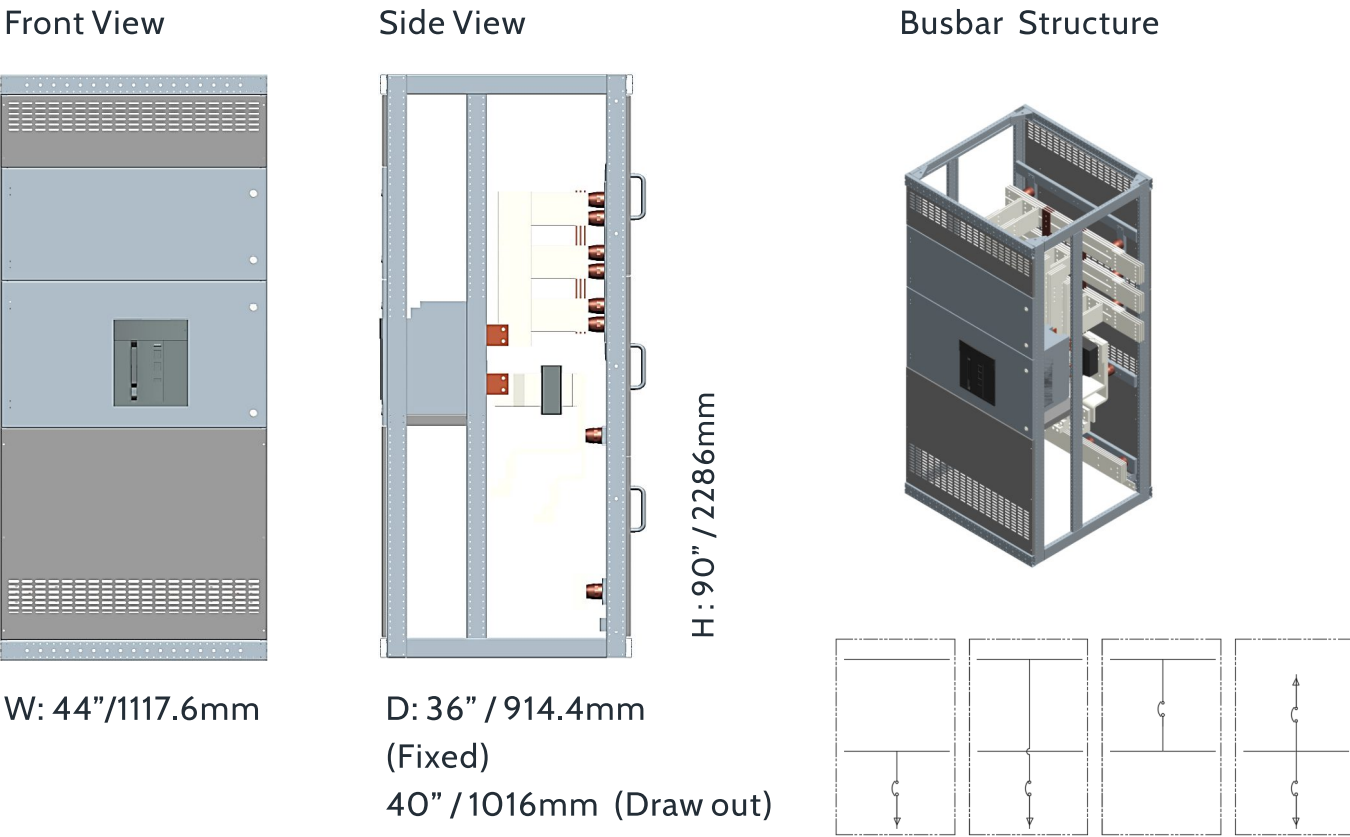
TECHNICAL SPECIFICATIONS – 2 / 2

Designation			FP-LSB SERIES				
Enclosure size [in.]	Width	ACB_E	800-2500AF	30	42/50	32	42/50
			3200AF	36	42/50	32	42/50
		ACB_G	3200-4000AF	44	42/50	44	42/50
	Depth	MCCB	800-1200AF	22(F)1)	24 (Cable Incoming) 36 (Center Feed)		60 / 72
		ACB_D	800-1600AF	26(F) / 32		60	60 / 72
		ACB_E	800-2500AF	26(F) / 32		60	60 / 72
			3200AF	32(F) / 36		60	60 / 72
		ACB_G	3200-6000AF	36(F) / 40		72	60 / 72
	Height	90					
Enclosure type		NEMA TYPE 1/ NEMA 3R					
Internal separation (Optional)		IP 2X					
Busbar type		Copper only ~4000 A can design to aluminum busbar (*24.10)					

UNIT-SUBSTATION AND STAND-ALONE APPLICATIONS

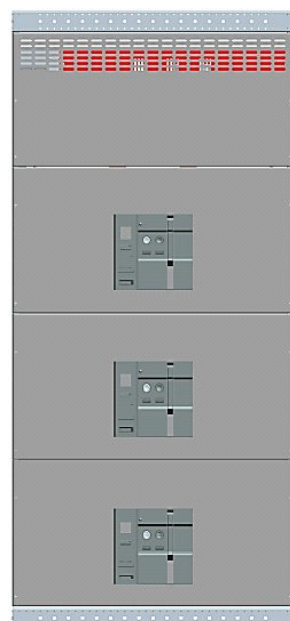


TYPICAL CONFIGURATION, SLD AND LAYOUT – 44 IN SECTION



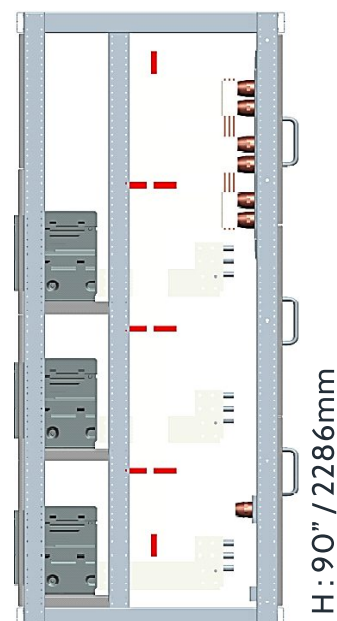
| TYPICAL CONFIGURATION, SLD AND LAYOUT – 30 IN SECTION

Front View



W: 30"/762mm

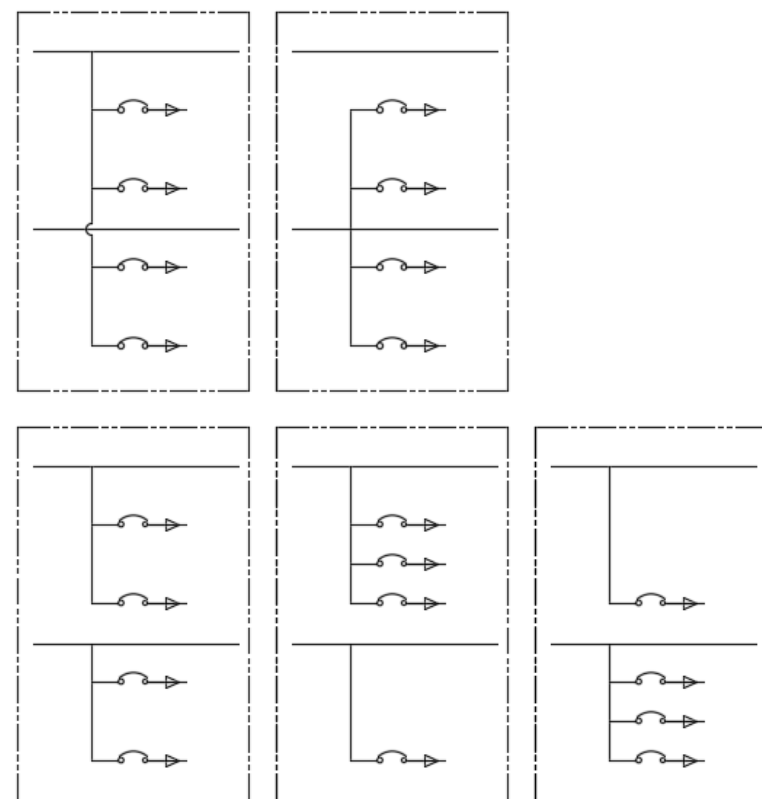
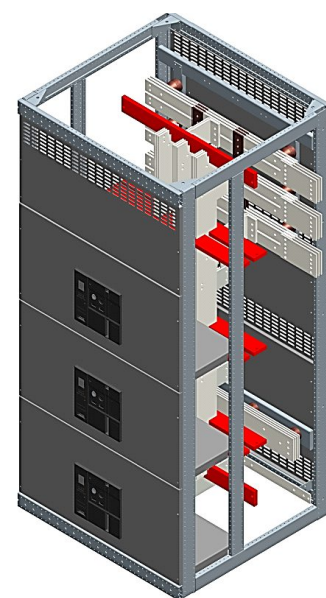
Side View



D: 26" / 660.4mm
(Fixed)

D: 32" / 817mm(Draw out)

Busbar Structure



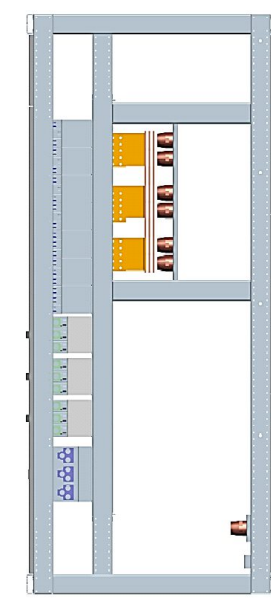
| TYPICAL CONFIGURATION, SLD AND LAYOUT – 36 / 46 IN SECTION

Front View



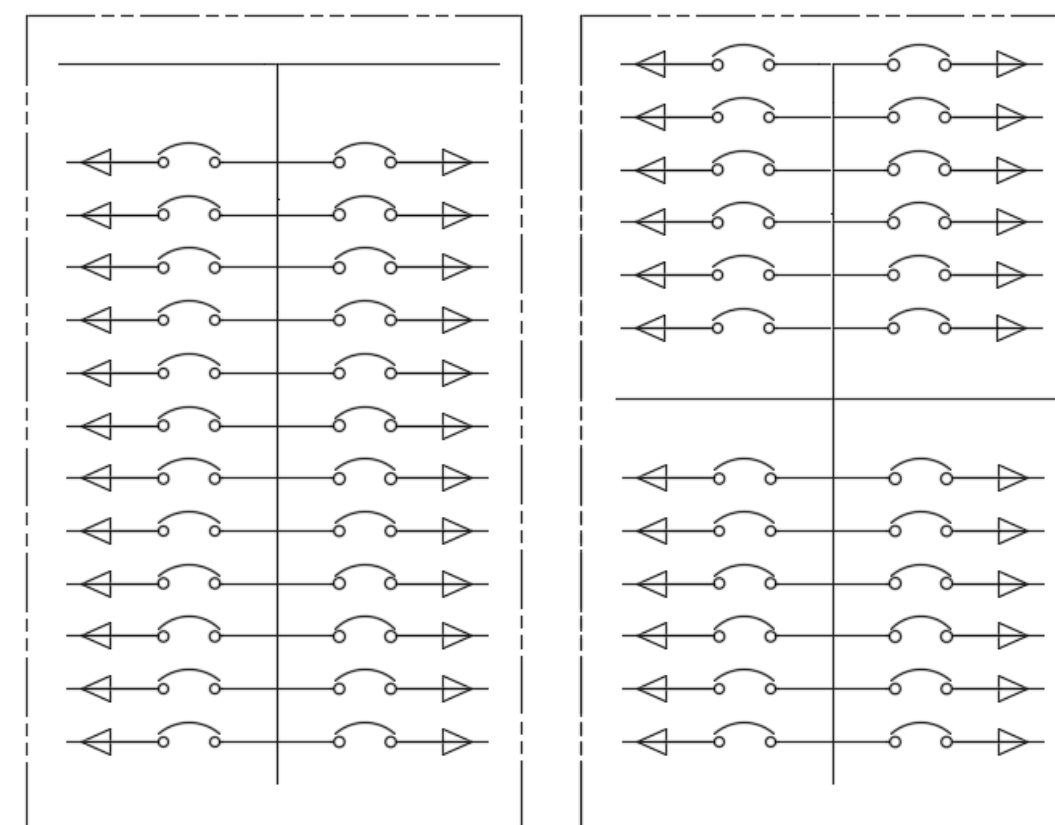
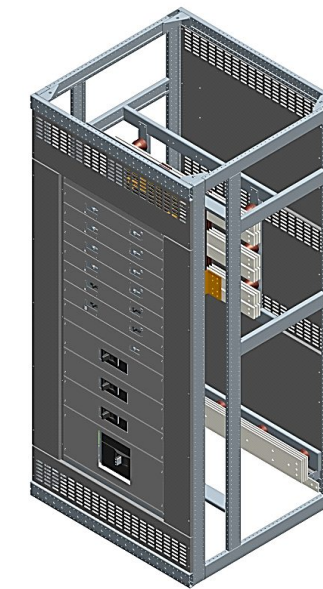
W: 36"/914.4mm
46"/1168.4mm

Side View



D: 36" / 914.4mm

Busbar Structure



| MAIN-BREAKER AND GROUP-MCCB UNIT DIMENSIONS

Dimension correction: for the 800 /1200 A cable connection, 158.4 mm corresponds to 6 × 26.4 mm; the source 8X entry is corrected to 6X.

Main breaker amp	Interior height	Width	Depth
6000 A	66X	36 / 46	60 / 72
	46X	36 / 46	60 / 72
	46X	36 / 46	60 / 72
4000 A	66X	46	60 / 72
	46X	46	60 / 72
	36X	46	60 / 72
2000 A	66X	36	60 / 72
	46X	36	60 / 72
	36X	36	60 / 72

MCCB current rating	Cable connection		Copper bar connection		Single / Double side
	Height (x)	Height (mm)	Height (x)	Height (mm)	
100	3	79.2	3	79.2	Double
150	4	105.6	4	105.6	Double
250	4	105.6	4	105.6	Double
400/600	6	158.4	6	158.4	Single
800/1200	8	158.4	10	264	Single

| NEMA 3R OUTDOOR APPLICATION



- Reduced section height
- Galvanized end caps, doors and rear covers
- Screens behind louvers
- 110 MPH wind rating standard
- NEMA 3R
- Flat roof
- Section height 91"
- Front and rear venting
- Galvanized end caps, louvered doors and rear covers
- Double door 40"W – 60"W
- Wind stop on each door
- 3-point latch with padlock provision
- Standard lifting brackets (under end-caps)
- Front extensions (5" & 10")

LV SWITCHGEAR - UL 67 FP-LPB



PRODUCT DESCRIPTION

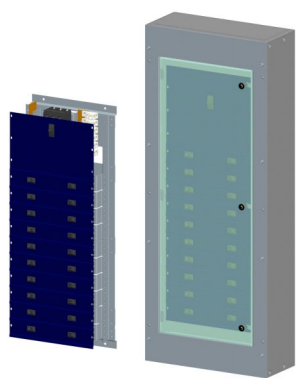
FP-LPB panelboards are designed to meet the needs of any electrical distribution system. Lighting, Distribution, and Receptacle Panelboards can be custom engineered featuring leading manufacturer's components and state of the art surge suppression equipment.

FP-LPB Panelboard has main busbar up to 1200AF manufactured in flat busbar with modular holes bolt-on type, so branch circuit breakers can be assembly freely and there is no limit in capacity selection.

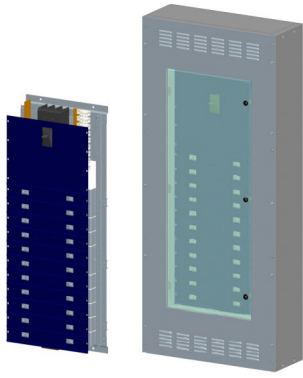
FP-LPB panelboards are available in wall-mounted and flush mounted versions with up to 1200A main lug or main circuit breaker.

LPB-1, LPB-2 AND LPB-3 FRAME RANGE

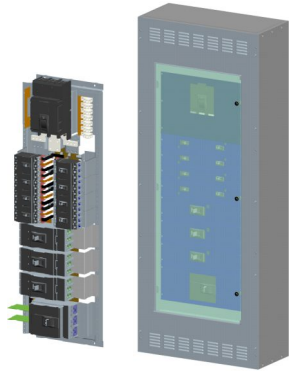
UL67 PANELBOARD



Panelboard LPB- 1
100/150/250A



Panelboard LPB- 2
400/600A



Panelboard LPB- 3
800/1200A

TECHNICAL SPECIFICATIONS



Description			LPB-1			LPB-2			LPB-3	
			100AF	150AF	250AF	400AF	600AF	800AF	1200AF	
Rated current(A)	Main Breaker		AF100 (15-100A)	AF150 (40-150)	AF250 (150-250)	AF400 (250-400)	AFS600 (500/600)	AF800 (400-800)	AF1200 (800-1200)	
	Main Lug		LPB-125	LPB-150	LPB-250	LPB-400	LPB-800D	LPB-800D	LPB-1200	
	Branch		15-100			15-250		15-800	15-1200	
Short circuit current rating(kA,rms)	Fully Rated	240V	50-100			50-100		50-100		
		480V	25-65			25-100		25-100		
Main bus type			Rail					Bolt - On		
Enclosure type			NEMAType1 (Indoor),Type 2 (Indoor), Type 3R (Indoor/Outdoor)							
Standard enclosure dimension inch (mm)	W		24 (610)			33 (839)		28 (711.2), 36 (915), 40(1016)		
	H		45(1143), 60(1524), 75(1905),			60 (1524), 75 (1905), 90(2286)		75(1905), 90 (2286)		
			8 (204)			10 (254)		16(407)		
Standards			UL67							

CORE FEATURES

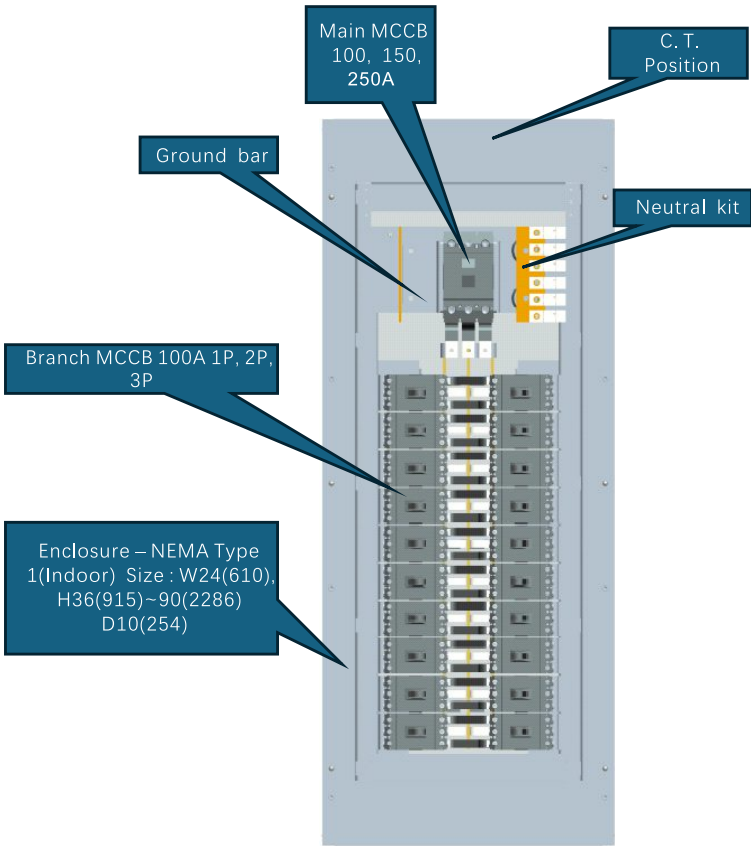
- Voltage: Up to 480VAC, 250VDC maximum.
- Ampacity: 100A to 1200A.
- Interrupt rating 65 kA at 480 V.
- Single phase and three phase.
- Series ratings with upstream devices.
- Main breaker, main lugs, sub feed breaker – optional.
- Vertically mounted main and sub-feed circuit breakers.
- Up to 84 circuits in one panel.
- Interiors available in silver plated copper.
- Complete line of UL listed interiors with 200% rated neutrals for non-linear loads.
- Surge Suppression Equipment/Optional integrated SPD.
- Configured for sequence phase connections allowing complete flexible circuit arrangement (1-, 2- or 3-poles).
- To properly balance the electrical load on each phase.
- Multi section boards – bolted together and bush openings (horizontal and vertical).
- Standard or door in door trims.
- ANSI 61 light gray standard finish, other colors available as option.
- Stainless steel and aluminum enclosures available.
- Easy to replace in case of circuit breaker capacity change and device failure.
- Minimize replacement and repair time.
- Branch circuit breakers can be easily added without additional processing.

REPRESENTATIVE CABINET ASSEMBLY



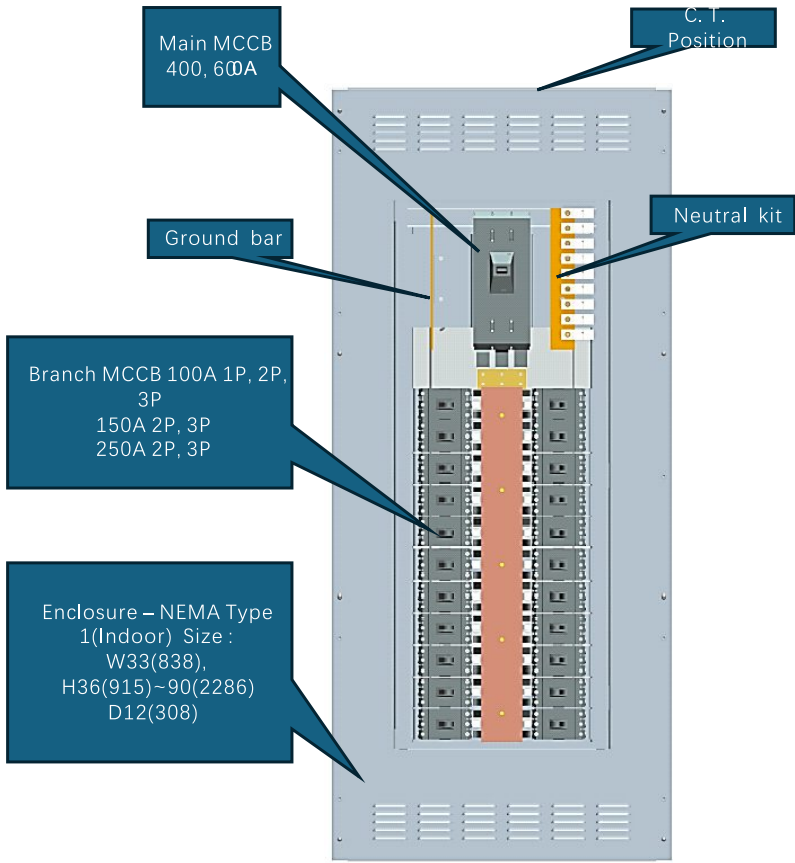
250 A INTERIOR AND BUS-STRAP CONCEPT

Description		100AF / 150AF / 250AF		
Rated current (A)	Main Breaker	15 - 100	40-150	150-250
	Main Lug	100	150	250
	Branch	15 - 100	15-100	15-100
Short circuit rating (kA, rms)	240V	65-100	65-100	65-100
	480V	35-65	35-65	35-65
Main bus type	Flat busbar			
Enclosure type	NEMA Type 1, 2, (Indoor), 3 R(Outdoor)			
Standard size Inch (mm)	W	24		
	H	45(1143), 60(1524), 75(1905), 90(2286) Varies depending on the number of branch circuits		
	D	10		



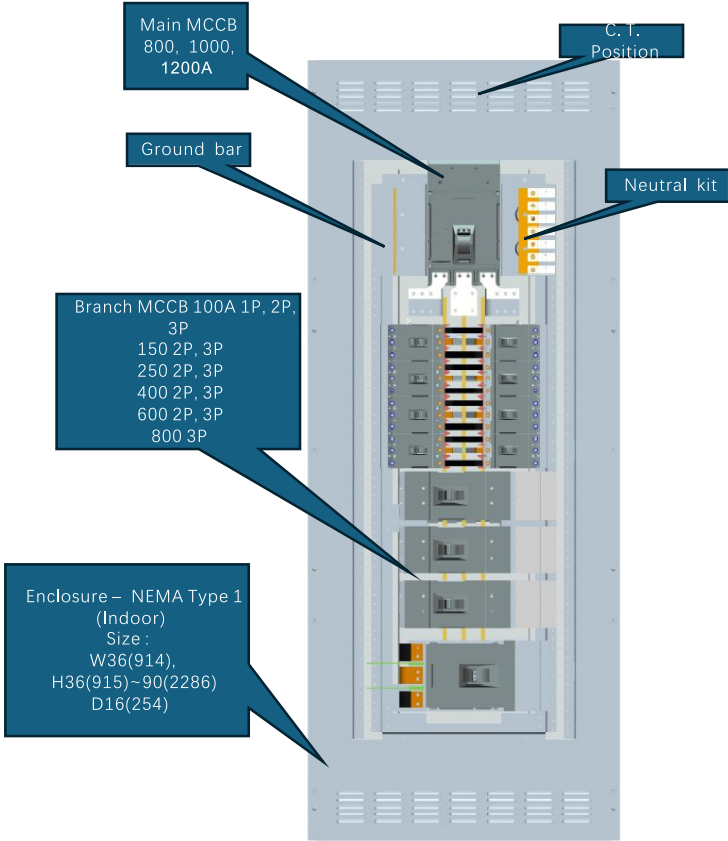
| 600 A INTERIOR AND BUS-STRAP CONCEPT

Description		400AF / 600AF	
Rated current (A)	Main Breaker	250-400	500/600
	Main Lug	400	600
	Branch	15-250	15-250
Short circuit rating (kA, rms)	240V	65-100	65-100
	480V	35-100	35-100
Main bus type	Flat busbar		
Enclosure type	NEMA Type 1, 2, (Indoor), 3 R(Outdoor)		
Standard size Inch (mm)	W	33	
	H	60, 72, 90	
	D	Varies depending on the number of branch circuits	
		10	

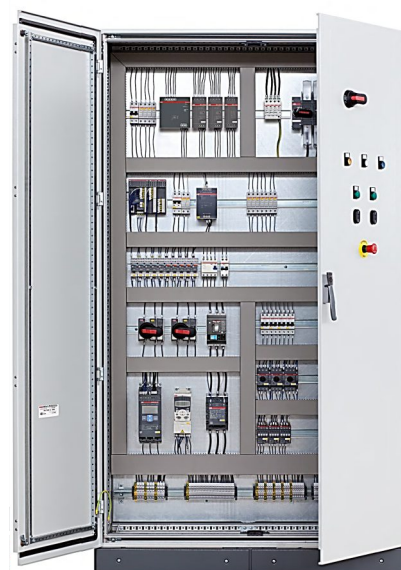


| 1200 A INTERIOR AND BUS-STRAP CONCEPT

Description		400AF / 600AF	
Rated current (A)	Main Breaker	400-800	1200
	Main Lug	800	1200
	Branch	15-600	15-800
Short circuit rating (kA, rms)	240V	65-100	65-100
	480V	35-100	35-100
Main bus type	Bolt - On		
Enclosure type	NEMA Type 1, 2, (Indoor), 3 R(Outdoor)		
Standard size Inch (mm)	W	28 (711), 36 (914), 40(1016)	
	H	73.5 / 90	
	D	16	



INDUSTRIAL CONTROL PANEL- UL 508A FP-LCP



PRODUCT DESCRIPTION

FP-LCP Industrial control panel intended for general industrial use up to a rated voltage of 1,000 V and intended for installation in ordinary areas by the National Electrical Code ANSI/NFPA 70 with a maximum ambient temperature of 40 °C (104 °F). FP-LCP include meters & devices wired to terminal blocks, disconnects, and shorting blocks or test switches.

CORE FEATURES

- Protection, automation & control builds: In-house manufacturing for protection, automation, and control equipment—built to your project requirements for industrial and utility applications.
- Flexible enclosures & cabinet options: Indoor/outdoor cabinet designs in stainless steel, mild steel, and other materials—plus enclosures, racks, bezels, plates, portables, swing panels, and doors.
- Certified, proven & production-ready: Seismic- and UL-certified cabinets for demanding environments, with rapid prototyping using additive manufacturing and technology, plus Customer Witness FAT.

METERING AND ENCLOSURE CONFIGURATION OPTIONS

- NEMA 3R rated painted steel enclosure with a lockable latch and dead front inner door.
- Light Industrial Enclosure Type 1, UL & CUL 508A Listed.
- Supports Single Voltage Source only for Indoor (Type 1) applications.
- Available with 1–12 meters per panel. Serial Communications are standard for all units.
- No Digital or Analog I/O is available for this option.
- Service Entrance/Utility Socket Enclosure Type 3R, UL & CUL 508A Listed.
- Available for ION8650 only, with up to 3 Digital Inputs and 4 Digital Outputs.
- Supports Single Voltage Source only for Indoor & Outdoor (Type 3R) applications.
- Units are Ring Type with removable cover.
- Available with 1 meter per panel. Serial & Ethernet Communications options available.
- Options available for remote mounted Cts.
- Options available for integrated, bar type Cts.
- Optional Test Switch.



| SHORT-CIRCUIT CURRENT RATING RESPONSIBILITY

Machines and their control panels must be designed to withstand the maximum short-circuit current at the feed point – typically upstream of the main switch – so that the system will not be destroyed in the event of a short circuit. U.S. regulations require determination of the short-circuit current rating (SCCR) at the incoming supply point. Unless otherwise agreed, the operator provides this value and specifies it to the system manufacturer.

The manufacturer is responsible for the short-circuit-rated design of the industrial control panel. The control panel must be designed to withstand the maximum short-circuit current at the feed point under fault conditions. NFPA 70 references UL 508A Supplement SB as the recognized method for determining the rated short-circuit current of an industrial control panel.



| ENGINEERED-TO-ORDER CONTROL-PANEL FUNCTIONS

- Additional engineered to order products are available for a wide variety of design solutions.
- Switchgear Transfer Control Panels.
- Generator Control Panels.
- Load Shed Control Panels.
- Sequence of Events Recording Panels.
- Control System Mimic Panels.
- Lighting Control Interface Panels.
- Programmable Logic Controller (PLC) Control Panels (Hot Standby, Relay Control, Data Concentration etc. ...).
- Emergency Power Supply Systems (EPSS) Control Panels.
- Water, Air, Gas, Electrical, and Steam (WAGES) Monitoring Panels.
- Input Status Monitoring & Alarming Panels.
- Remote Annunciator Control Panels.
- Remote Operator Control Panels.
- Serial, Ethernet, and Cellular Wireless Systems.
- Server Rack and Network Equipment (Servers, Switches, UPS's) for Energy Management Systems.
- Industrialized PC's, Touch Screens (Magelis), and Human Machine Interfaces (HMI's) with Custom System Graphics.
- Designed to fit any environment – Indoor (Type 1 & 12) & Outdoor (Type 3R & 4) applications.

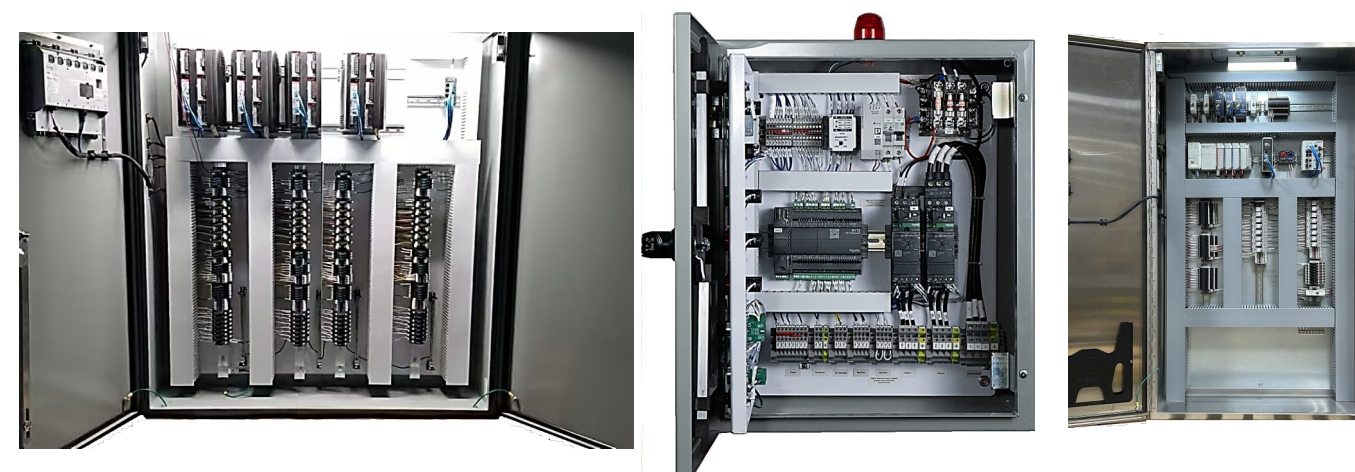


ABB AUTHORIZED AIR-INSULATED AC METAL-ENCLOSED SWITCHGEAR



| PRODUCT DESCRIPTION

UniSafe Metal-Enclosed Switchgear is a new-generation medium-voltage authorized switchgear solution developed by ABB, offering enhanced reliability and operational stability.

As part of ABB's air-insulated switchgear portfolio, it combines a compact 650 mm-wide design with ABB's comprehensive digital solutions to meet the growing requirements of data centers and commercial facilities for space-efficient and intelligent power distribution.

| CORE FEATURES

- Environmentally Friendly Metal-Enclosed Switchgear.
- Comprehensive Mechanical Interlocking for Safe and Reliable System Operation.
- Flexible Configuration Options to Meet Diverse Application Requirements.
- Easy Operation and Maintenance-Free Design.
- Compact Structure with High Space Utilization.
- High-Quality Materials for Enhanced Reliability.

SCHNEIDER ELECTRIC AUTHORIZED SWITCHGEAR



| PRODUCT DESCRIPTION

This product is a standardized electrical control cabinet designed and manufactured under the technical framework of Schneider Electric. It is widely used in industrial automation systems and power distribution applications. The cabinet features a robust structure made of high-quality steel, offering excellent durability, protection, and heat dissipation, ensuring reliable operation in demanding industrial environments.

The front panel integrates an industrial-grade Human-Machine Interface (HMI) along with multifunctional control components, including start/stop push buttons, indicator lights, and selector switches, enabling intuitive operation and real-time system monitoring.

Internally, the cabinet adopts a modular design and is equipped with Schneider original or authorized components such as circuit breakers, contactors, relays, and PLC systems. The internal layout is well-organized with standardized wiring, facilitating easy maintenance and future expansion.

| CORE FEATURES

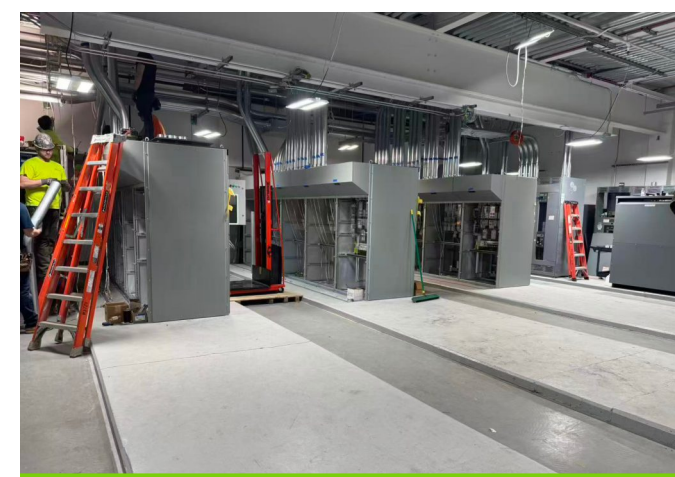
- Schneider-authorized system with high reliability and compatibility.
- Modular design for easy maintenance and flexible expansion.
- Integrated HMI for intuitive control and monitoring.
- Industrial-grade protection and thermal management.
- Standardized wiring and installation for enhanced system stability.

APPLICATION CASES

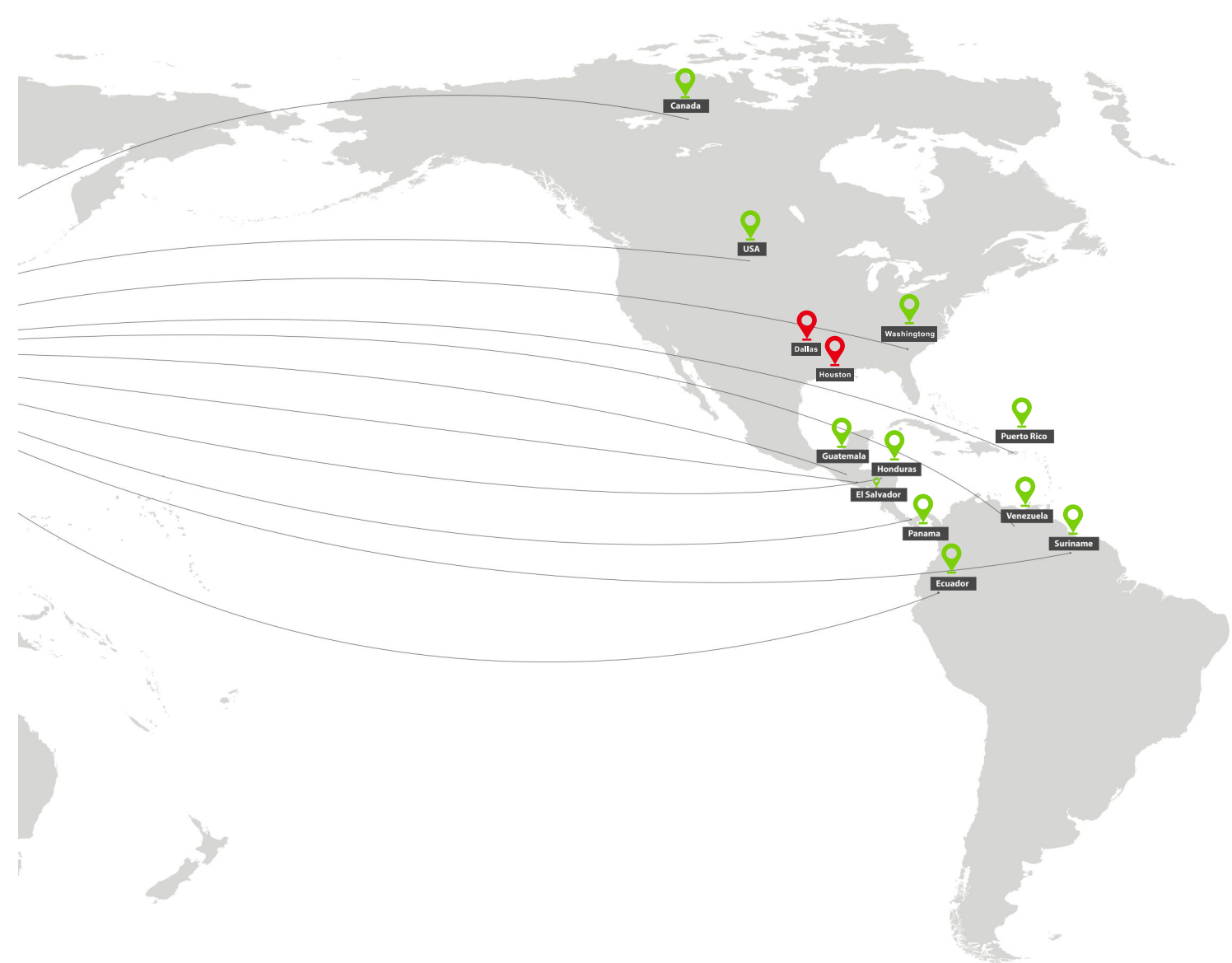
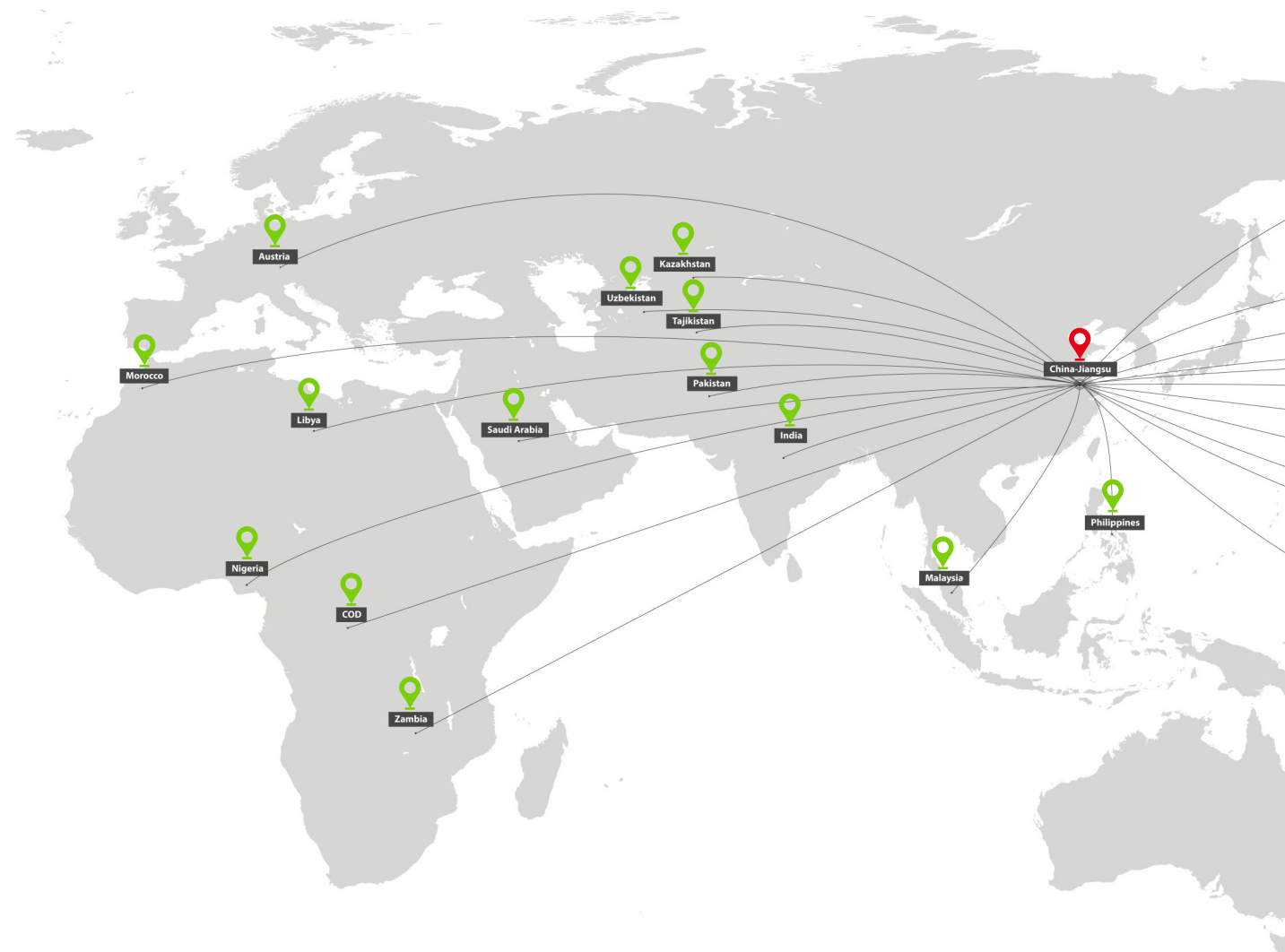
With the rapid growth of AI and high-performance computing, modern data centers require highly reliable, efficient, and flexible power distribution systems. As a professional supplier of switchgear solutions, First Power provides UL-certified low-voltage switchgear and medium-voltage distribution equipment designed to support critical data center infrastructure.

Our switchgear solutions ensure safe power distribution, reliable protection, and efficient energy management, helping data centers maintain continuous operation while meeting the demands of high-density computing and future expansion.

PRODUCT INSTALLATION



GLOBAL NETWORK



-  **COMPANY ADDRESS**
-  **BUSINESS SCOPE**

From power generation and transmission to critical infrastructure, our transformer and power distribution solutions are trusted by customers in more than 30 countries. With a focus on reliability, efficiency, and long-term performance, we deliver equipment designed to meet the evolving demands of modern power systems.

Our commitment goes beyond the products we manufacture. With a Sales Center in Dallas, Texas, and an After-Sales Service Center in Houston, we provide dedicated local support for North American customers, covering sales, technical consultation, project coordination, installation assistance, maintenance, and after-sales service. As we continue to expand our global presence, we remain focused on building lasting partnerships and delivering dependable power solutions that create value for our customers.