Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MPD-MES-SF6-3P3W-13-15.5KV-600A-BE-FM-MET-CU-N3R-SS-M4

Metal Enclosed Switchgear, SF6 Gas Insulated Vacuum Fault Interruption, 600 Amp, 15.5 KV AC, 3-Pole 3-Wire, 1 IN 3 OUT, Floor Mount, Bottom Entry, Copper Bus, NEMA 3R, 304L Stainless Steel

Product ID: 326946



Image: MPD-MES-SF6-3P3W-13-15.5KV-600A-BE-FM-MET-CU-N3R-SS-M4

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MPD-MES-SF6-3P3W-13-15.5KV-600A-BE-FM-MET-CU-N3R-SS-M4 Metal Enclosed Switchgear

Unit Type: Metal Enclosed Switchgear, SF6 Gas Insulated Vacuum Fault Interruption
Unit Configuration: Double-Sided
Line-In Connections: Dead Front HV Bushings, Equipped with Insulated Connectors
Line-In Orientation: Bottom Feed
Nominal Voltage: 15000V
Voltage Rating: 15.5 KV AC, 3 Phase, 3 Wire
BIL Rating: 95 KV
Frequency: 60 Hz
Current: Alternate 3 Phase Current
Protection Method: N/A
Protection Type: N/A
Protection Fuses: N/A
Bus Rating: 600 A
Continuous Current Rating: 600 A
Interrupting Fault Current Rating: 12.5 kA
Short Circuit Current Rating: 12.5 kA
Bus Type: Tin-plated copper

Bay #1 (Source Way)
(1) 15kV, 600A, Load Interrupter Switch

Bay #2 (Load Way)
(1) 15kV, 200A, SF6 Fault Interrupter Switch

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switchboards
NEMA 3R Rated for Indoor/Outdoor Use

Made in the USA

Bay #3 (Load Way)
(1) 15kV, 200A, SF6 Fault Interrupter Switch

Bay #4 (Load Way)
(1) 15kV, 200A, SF6 Fault Interrupter Switch

Bushing Rating/Material: 600A rated bushings with removable tin-plated copper threaded studs
Parking Stands: Included, adjacent to each bushing to accommodate horizontal feedthroughs and standoff insulators
Viewing Window: Included
Control Cabinet: Mounted on the side of the enclosure, 18”-Width
Space Heaters: Included, w/ Thermostat
Metering Current & Potential Transformer (CT/PT): Included Mount and Termination CT/PT
Operating Positions: Open/Close/Ground with Padlock Positions
Ground Pad: Included, 2-Hole, 15.5 kV Rated
Line-Out Connection: Dead Front HV Bushings, Equipped with Insulated Connectors
Line-Out Orientation: Bottom Feed
Lifting Brackets: Included, Fitted on the Top of the Enclosure
Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door, 1 incoming panels, 3 outgoing panel
Panel Configuration: 1 x Incoming panels, 3 x Outgoing panel
Mounting: Pad Mount
Enclosure Material: 304L Stainless Steel
Enclosure Finish: Munsell™ 7GY 3.29/1.5 Green
Enclosure Type: NEMA 3R, Ventilated
Dimensions: 47.24"D x 62.99"W x 82.68"H
Weight: 1,650 Lbs
Shipping Dimensions: -
Shipping Weight: -
Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Made in the USA

The Larson Electronics MPD-MES-SF6-3P3W-13-15.5KV-600A-BE-FM-MET-CU-N3R-SS-M4 Metal Enclosed Switchgear is designed for reliable, safe and convenient power distribution at industrial work sites. Designed for floor mounting installations. This bottom feed switchgear is protected by a NEMA 3R rated, stainless steel enclosure with a ventilated design.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

The MPD-MES-SF6-3P3W-13-15.5KV-600A-BE-FM-MET-CU-N3R-SS-M4 service entrance switchgear provides a safe and reliable way for operators in industrial settings to tap into and utilize power sources independently of the work area. Compatible with 15.5 KV AC, the switchgear features a manual operating handle. This bottom feed disconnect carries a 12.5 kA at 15.5 KV AC interrupt rating.

Operation: The switchgear features front control panel and rear termination equipped with a locking door. The door provides access to a permanently attached operating handle, which is used for manually disconnecting or connecting power and busbars (at rear). A dead front

cover protects operators from the switches for safety. Operators can inspect the switches through the dead front via a vented cover. Removing the dead front allows access to the switches

Enclosure Design: The switchgear is protected by a stainless steel enclosure with ANSI green finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 3R rated for protection against water, moisture and debris. This rating allows the fused disconnect to be used in indoor/outdoor areas.

Certification: This switchgear is NRTL listed to UL 891 dead front switchboards and NRTL listed for service equipment.

Mount: Operators can mount the service entrance disconnect on floors and flat surfaces.

Customization: The MPD-MES-SF6-3P3W-13-15.5KV-600A-BE-FM-MET-CU-N3R-SS-M4 can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the disconnect switches portable and certified to NRTL UL 1640 for portable equipment

• Adding single pole camlock connectors for quick connections

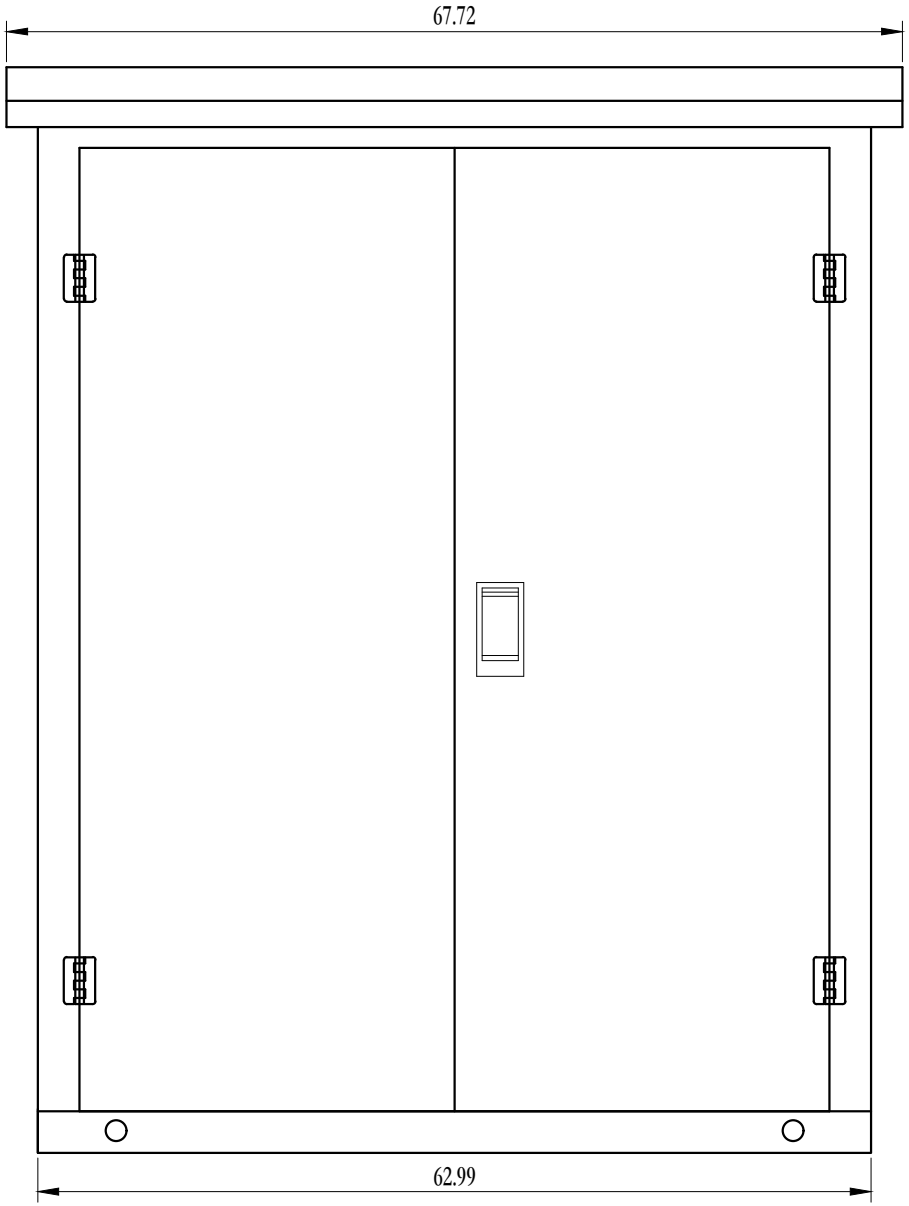
• Adding heaters for cold environments

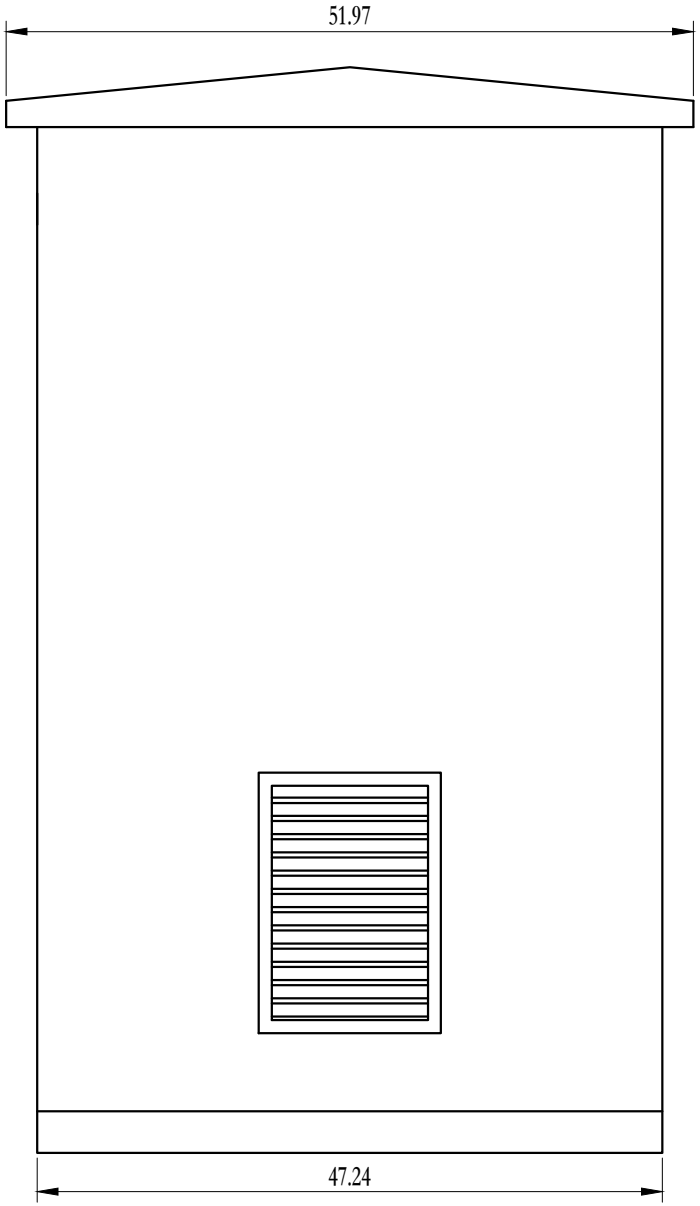
• Aiding alarm relays for trip notification downstream

• Adding power meters

Applications: This switchgear is suitable for indoor/outdoor use and applications including, but not limited to, solar equipment, construction sites, plant maintenance, plant turnarounds, hazardous location operations, shows, exhibits, and shipyard operations.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.





						Process		Standardization		Outline Drawing	Drawing Name		LARSON MAGNETICS	No. 1 Page
						Design		Approval						
Project Name	Mark	Number	Changed file No.	Signature	Date	Verification		Date	2025-12-14		Number			Tot. 2 Page

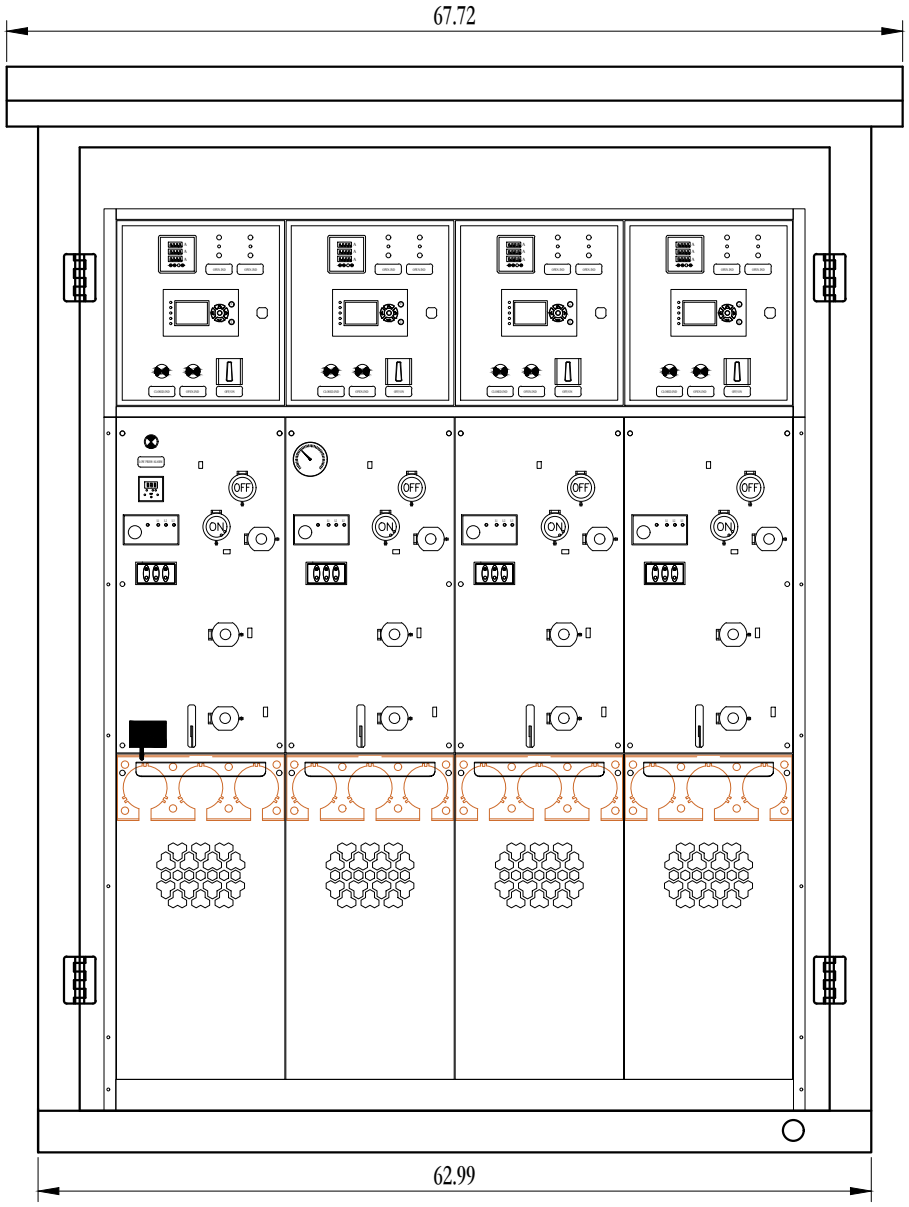
CAD Drawing

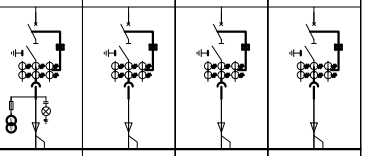
Previous Drawing No.

Master Drawing No.

Signature

Date



Panel NO.		G1	G2	G3	G4
Single Line Diagram					
Ground Busbar:TMY-30X4					
Compartment Name		Incomer Panel	1#Outgoing Panel	1#Outgoing Panel	1# Outgoing Panel
Switchgear Name					
MC	Circuit Breaker	630A	630A	630A	630A
	Load Break/ Disconnect Switch	630A (Two-Position)	630A (Three-Position)	630A (Three-Position)	630A (Three-Position)
	Mode of Operation	Manual / Electric	Manual / Electric	Manual / Electric	Manual / Electric
	High-Voltage Fuse				
	Panel-Mounted Voltage Indicator				
	Panel-Mounted Fault Indicator				
	Panel-Mounted Temperature & Humidity Controller				
	Current Transformer				
	Potential Transformer				
	Integrated Protection Relay				
	Space Heater				
	US Bushing	600A Bushing	200A Bushing	200A Bushing	200A Bushing
	US Cable Termination	Customer-Supplied	Customer-Supplied	Customer-Supplied	Customer-Supplied
Circuit Designation					
Gas Compartment		W-12.80×D-29.80×H-68.19	W-12.80×D-29.80×H-68.19	W-12.80×D-29.80×H-68.19	W-12.80×D-29.80×H-68.19
Cabinet Dimensions		W-52.99 × D-29.80 × H-68.19			
External Enclosure		W-62.99 × D-47.24 × H-82.68			

The unit is converted from millimeters to inches, and the value is rounded to two decimal places.

Technical Parameters		
01	Enclosure Color	Munsell™ 7GY 3.29/1.5 Bell Green
02	Enclosure Material	304 Stainless Steel
03	Operating Altitude	⩽1000M
04	Operating Environment	Outdoor, floor-mounted
05	Protection Rating	NEMA 3R/IP54
06	Wiring Configuration	Bottom Entry & Exit(Cable)
07	Busbar Configuration	3-Phase 3-Wire，Silver-plated copper busbar
08	Connection Cable	
09	Rated Voltage	15000V
10	Rated Current	600A
11	Frequency	60Hz
12	Dimensions Unit	Inches

CAD Drawing

Previous Drawing No.

Master Drawing No.

Signature

Date

Project Name	Mark	Number	Changed file No.	Signature	Date	Process		Standardization		Aperture Layout Drawing
						Design		Approval		
						Verification		Date	2025-12-14	

Drawing Name

Number

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Frequently Asked Questions (FAQ)

There are no Faqs