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## MPD-MES-VCB-3P3W-11-35KV-600A-BE-FM-MET-CU-N3R-SAR-M1

# Metal Enclosed Switchgear, 600 Amp, 35 KV AC, 3-Pole 3-Wire, 1 IN 1 OUT, Floor Mount, Bottom Entry, Copper Bus, NEMA 3R

**Product ID: 314366**

**Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



Image: MPD-MES-VCB-3P3W-11-35KV-600A-BE-FM-MET-CU-N3R-SAR-M1

**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-VCB-3P3W-11-35KV-600A-BE-FM-MET-CU-N3R-SAR-M1 Mental Enclosed Switchgear**

**Unit Type:** Metal Enclosed Switchgear, Vacuum Circuit Breaker Switchgear
**Line-In Connections:** Terminal Lugs, Accepts 750MCM-1/0
**Line-In Orientation:** Bottom Feed
**Voltage Rating:** 35 KV AC, 3 Phase
**BIL Rating:** 150 KV
**Frequency:** 60 Hz
**Current:** Alternate 3 Phase Current
**Bus Rating:** 600 A
**Continuous Current Rating:** 600 A
**Interrupting Fault Current Rating:** 20 kA
**Short Circuit Current Rating:** 20 kA
**Bus Type:** Silver-plated copper
**Insulators:** Cycloaliphatic epoxy

**Ratings**

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switch Boards
NEMA 3R Rated for Indoor/Outdoor Use
Made in the USA

**Section #1: Includes:**

(1) GOAB Load Break Switch, Visible Break, 38 kV, 600A, 200 kV BIL, UL Listed, Pad Mounted
(3) 35 kV Class 22 kV MCOV Lighting Arrester (Typical)

**Section #2: Includes:**

(1) 35 kV, 500A, Load Break Disconnect Switch, Pad Mounted

**Section #3: Includes:**

(1) SEL 735 meter + meter Cluster, Pad Mounted

**Section #4: Includes:**

(1) Tavrida Vacuum Recloser (38 kV, 600A, 16 kA, 170 kV BIL), Service Entrance Rated, Pad Mounted, w/ SEL 651R Control and Protection Relay (w/ Undervoltage, Overvoltage, Time Overcurrent, Ground Overcurrent, Reclosing Function and Frequency-Base Protections), w/ CPT166:1 Ratio, 1 kVA Rating, w/ (3) CTs 600:1 Ratio to Measure Currents and Provide Protective Relaying Inputs

**Section #5: Includes**

(1) SEL 411L Line Current Differential Relay with other ancillary equipment, Pad Mounted

**Control Cabinet:** Mounted on the side of the enclosure

**Space Heaters:** Included, w/ Thermostat

**Metering Current & Potential Transformer (CT/PT):** Included Mount and Termination CT/PT

**Line-Out Connection:** Terminal Lugs, Accepts 750MCM-1/0

**Line-Out Orientation:** Bottom Feed

**Lifting Brackets:** Included, Fitted on the Top of the Enclosure

**Form Factor:** Rectangular, Slim-profile Enclosure w/ Lockable Door

**Panel Configuration:** 5 Sections

**Mounting:** Pad Mount/Floor Mount

**Enclosure Material:** 11 Gauge Hot Rolled Pickled and Oiled Steel

**Enclosure Finish:** Munsell™ 7GY 3.29/1.5 Bell Green

**Enclosure Type:** NEMA 3R, Ventilated

**Dimensions:** TBD

**Weight:** TBD

**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

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*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-VCB-3P3W-11-35KV-600A-BE-FM-MET-CU-N3R-SAR-M1 Metal Enclosed Switchgear is designed for reliable, safe and convenient power distribution at industrial work sites. This switchgear includes one load interrupting disconnect switch and one automatic transfer switch. Designed for floor mounting installations. This bottom feed switchgear is protected by a NEMA 3R rated, 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-VCB-3P3W-11-35KV-600A-BE-FM-MET-CU-N3R-SAR-M1 service entrance disconnect switch 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 35 KV AC, the switchgear features a manual operating handle. This bottom feed disconnect carries a 20 kA at 35 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 bur bars (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 disconnect switch is protected by an 11GA sheet 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 disconnect switch 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-VCB-3P3W-11-35KV-600A-BE-FM-MET-CU-N3R-SAR-M1 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 down stream

• Adding powering 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.

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# Frequently Asked Questions (FAQ)

There are no Faqs

**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

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- **ISO 9001 Certification**( http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF )
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