

**MPD-MDS-CB-480Y.277-3P-1600A-N3R-M5**

**1600A Switchboard w/ 1600A Main Circuit Breaker - 480Y/277V 3PH, 4W, 60Hz - NEMA 3R**

**Product ID: 332090**



Image: MPD-MDS-CB-480Y.277-3P-1600A-N3R-M5

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-MDS-CB-480Y.277-3P-1600A-N3R-M5 Industrial Switchboard**

**Unit Type:** Switchboard with Main Circuit Breaker

**Bus Max Amp Rating:** 1600 Amps

**Input:** N/A

**Fuses:** N/A

**Receptacles:** Included, GFCI

**Bus Voltage Rating:** 480Y/277V AC, 3PH, 60Hz

**Wiring Configuration:** 4-Wire

**Poles:** 3-Poles

**Bus Max Available Fault Current (RMS):** 5 kAIC

**Incomer Main Circuit Breaker Rating:** 1600A, w/ GF Protection

**Incomer Current Transformer:** Included, (3) 1600:5 Ratio, 0.3 Accuracy Class, 1.0 RF

**Outgoing Feeders:** (2) 800A 3P MCCB [480V]; (1) 400A 3P MCCB [480V]

**Additional Feeder Provisions:** Included, (2) Provisions for 400A feeders

**Protection:** Ammeter Trip Unit, Long Time, Short Time, Instantaneous, Ground Fault, Over Current Trip Switch

**Surge Protection Device:** Included, 277/480V

**Metering Device:** Included, w/ (3) Fused PTs 346:120V

**Display:** Included, PV Meter Connected With 15A, 2P MCB

**Aux Contacts:** (4) Form C

**Ground Bus:** 1/4 x 2 IN copper, continuous over length of switchboard and solidly grounded to each vertical section structure

**Temperature Rise:** 65°C

**Thermostat:** Included, Strip Type

**Space Heaters:** Included, Thermostatically Controlled

**Terminal Blocks:** Included

**Contact Wear Indication:** Visual

**Ratings/Features**

NEMA Type 3R Enclosure

Rodent Barrier

24V Trip Unit Display Power

Certified to UL Dead front Switchboard Standards

Service Entrance Rated



**Ground Lug:** Provided  
**Bus Material:** Aluminum  
**Enclosure Material:** Coated Steel  
**Entry Point:** Front Access  
**Cable Entry:** Bottom Entry  
**Connection Type:** Cable  
**Phase Wire Range:** TBD  
**Enclosure Type/Rating:** Non-walk-in NEMA 3R, Weatherproof  
**Enclosure Paint Color:** ANSI 49  
**Mounting Type:** Floor Mounted  
**Dimensions:** 91" H x 36" W x 36" D  
**Weight:** 1850 lbs

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

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**The MPD-MDS-CB-480Y.277-3P-1600A-N3R-M5 from Larson Electronics is a Switchboard with Main Circuit Breaker for power distribution systems. This 1600-amp rated power distribution unit is compatible with three-phase 480Y/277V AC, 60 Hz. Equipped with an open-bottom configuration, the system is housed in a NEMA Type 3R enclosure and painted ANSI 49 for durability in outdoor environments.**

The MPD-MDS-CB-480Y.277-3P-1600A-N3R-M5 AC is designed for heavy-duty power distribution in industrial and utility settings. This 3-phase, 3-wire unit operates at 480Y/277V AC, 60 Hz. With a 1600-amp system ampacity and a 65 kA RMS short circuit rating, the switchboard includes a main 1600A breaker and branch circuit breakers configured as follows: two (2) units of 800A 3P, one (1) units of 400A 3P MCCB Breakers. The system also includes a dedicated CT compartment compliant with Eversource MA requirements for utility metering applications.

**Mount:** The MPD-MDS-CB-480Y.277-3P-1600A-N3R-M5 can be securely mounted to any flat surface. This non-walk-in system is accessible from the front, with a bottom entry point on the left of lineup.

**Applications:** Suitable for industrial, commercial, and large residential applications including HVAC systems, motor loads, and power distribution setups requiring robust overload and short circuit protection.

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](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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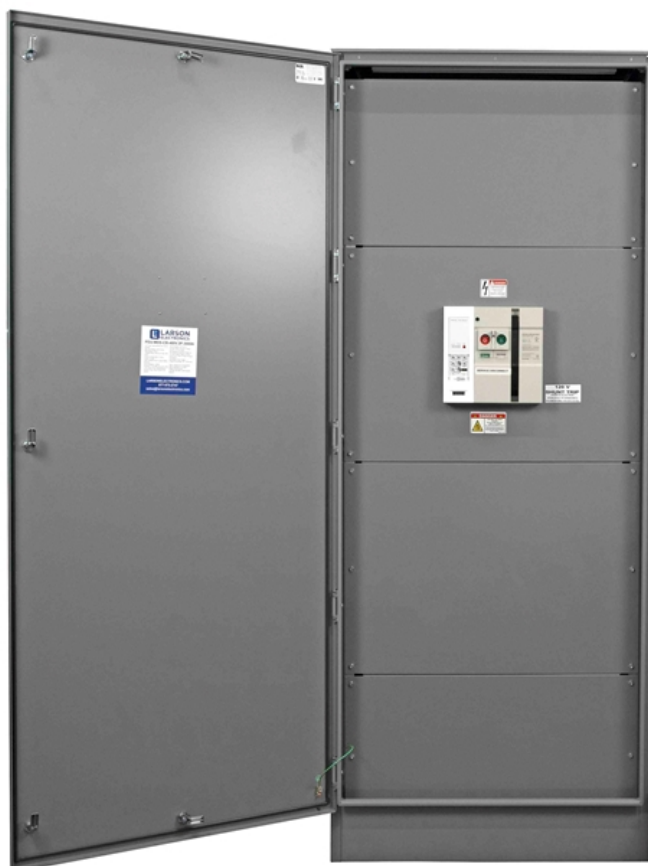
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## Frequently Asked Questions (FAQ)

There are no Faqs