

MPD-PNL-3P4W-MCCB-600A-208Y.120-8X2P.MCB-N3R

3-Phase 4-Wire Distribution Panelboard – 600A MCCB Main, 208Y/120V – (8) 2-Pole 100A Branch Circuit Breakers – NEMA 3R

Product ID: 343918

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



Image: MPD-PNL-3P4W-MCCB-600A-208Y.120-8X2P.MCB-N3R

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-PNL-3P4W-MCCB-600A-208Y.120-8X2P.MCB-N3R Distribution Panelboard

Unit Type: Distribution Panelboard w/ Main Circuit Breaker

Made in the USA

Bus Max Amp Rating: 600 Amps

Bus Voltage Rating: 208Y/120V AC Wye-N, 3-Phase, 60Hz

Wiring Configuration: 4-Wire

Interrupting Rating: 22 kAIC

Breaker Type: Bolt-on

Feed Type: Top or Bottom

Operating Temperature: 40°C

Features of Every Assembly

NEMA 3R Enclosure, Lockable, Weatherproof for Indoor or Outdoor Use

Rectangular, Slim-Profile Enclosure

Bolt-On Breaker Construction for Secure, Field-Serviceable Connections

Ground Lug Provided

Incoming Section

Incoming: Main Circuit Breaker Rating: 600A, 3-Pole, MCCB

Outgoing Section

Outgoing(s): (8) 2-Pole, 100A Branch Circuit Breakers, MCB Type

Protection Package

Surge Protection Device: Included, UL 1449 Listed Type 1, Protects L-N, L-G, N-G, and L-

L Modes, with Status Indicators and Remote Alarm Contacts

Construction

Enclosure Material: Coated Steel

Bus Material: Copper

Ground Bar Material: Copper (Bolted)

Ground Lug: Provided

Dimensions & Shipping

Overall Dimensions: 60"H × 24"W × 10"D (estimate)

Approximate Weight: 400 lbs (estimate)

Shipping Dimensions: TBD

Shipping Weight: TBD

Ratings & Approvals

UL-Listed Assembly

Field Marking Provided per NEC 110.24(A) and 230.70(B),
Including Service Disconnect Identification, Maximum
Available Fault Current, and Date of Fault Current
Calculation

Shipping

Shipped on pallet or skid

Crated shipment available upon request

Final shipping configuration subject to approved design

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

Customer Compliance

This equipment is offered per the specifications and ratings detailed herein. Minor refinements to arrangement, dimensions, and installation details may be made during detailed engineering review to ensure proper fit, code compliance, and manufacturability, with any such refinements confirmed prior to manufacture.

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.

Made in the USA

The Larson Electronics MPD-PNL-3P4W-MCCB-600A-208Y.120-8X2P.MCB-N3R is a distribution panelboard with main circuit breaker, designed for reliable power distribution in industrial and infrastructure applications, including electric vehicle charging installations.

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

The panelboard provides a main circuit breaker ahead of multiple downstream branch circuits, along with integrated surge protection, in a weatherproof outdoor enclosure suitable for demanding field environments.

Construction & Enclosure

The unit is housed in a lockable, weatherproof NEMA 3R enclosure with an integrated rodent barrier, built for reliable outdoor service.

Protection

A UL 1449 Listed Type 1 surge protective device is included, protecting downstream equipment against transient overvoltages.

Field Marking

The panelboard is field marked in accordance with NEC 110.24(A) and 230.70(B) for service disconnect identification and available fault current documentation.

Applications

This panelboard is suitable for industrial facilities, EV charging infrastructure, and other power distribution systems requiring reliable main breaker protection with multiple branch circuit outputs.

Customer Compliance

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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.



Frequently Asked Questions (FAQ)

There are no Fags



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- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
- **Shipping Time Map**(<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)