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

Product ID: 327218

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



Image:

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.

This unit is Made In USA - Manufactured in Texas

MPD-PB-LB-MB-YT-F-L-24-BF-N1-Z-M2 - Electrical Panel, Lighting Panelboard

Item Type: Deadfront Lighting Panelboard
Panel Type: Main Breaker Panel (MCB)
System Voltage (V): 208Y/120 AC Wye-N
Phase (PH): 3-Phase (3PH)
Frequency (HZ): 60 Hz (60-cycles)
System Amperage: 200A
Line-In Connection: (3) Terminal Lugs (L1, L2, L3 + N + G)
Line-In Orientation: Bottom Feed
Mains Capacity: 200 Amps
Main Breaker Size: 200AF / 200AT
Main Breaker Type: Molded Case Circuit Breaker (MCCB)
Main Breaker Short Circuit Current Rating (SCCR) : 22 kAIC
Circuit Count: 24 Circuits Total (24-Space Loadcenter)
Branch Breakers: (10) 40A, 2-Pole Breakers, (1) 20A 1-Pole Breaker (GFCI Protected Outlet)
Branch Breaker Size: 35mm Din Rail Mount Breakers
Branch Breaker Type: Miniature Circuit Breaker (MCB), UL 1077, GFCI Outlet via 1P Breaker
Branch Breaker Short Circuit Current Rating (SCCR): 10 kAIC
Neutral Connection: Insulated Neutral Bar Kit Included

Ratings

Max Primary OCP: 200A @ 208Y/120V

Made in the USA
NRTL Certified to UL 508A
NRTL Certified to UL 1640
NEMA 1 Rated Intdoor Use

Ground Connection: Ground Bar Kit Included
Line-In Connection: Breaker Outputs
Line-In Orientation: Bottom, Side Knockouts
Feed Thru Capacity: Not Capable of Feed Thru Line-Outs
Mount: Wall Mounted
Enclosure Door: (1) Left Hinged Door w/ Handle
Enclosure Rating: NEMA 1
Enclosure Material: CNC formed carbon sheet steel
Bus Material: Tin Plated Copper
Finish Color: ANSI 70 Light Grey
Finish Type: Hot Dipped Galvanized / Powder-Coated
Drainage: Built-in drip shield & condensation channels
Dimensions: -
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
Intl: 1-903-270-1187
Toll Free: 1-800-369-6671
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

This unit is Made In USA - Manufactured in Texas

The Larson Electronics MPD-PB-LB-MB-YT-F-L-24-BF-N1-Z-M2 Power Distribution Main Breaker Panelboard facilitates safe and reliable electrical distribution at industrial, commercial, and indoor sites. This unit provides operators the ability to safely tap into and distribute three-phase 208Y/120V AC power from a pad-mounted transformer, generator, or direct grid connection.

Operation:

• Voltage: 3-Phase 208Y/120 AC 3PH Wye-N

• Panel: 200A Main Breaker, 24-Circuit Count

• Branch Breaker(s): (10) 40A 2-Pole Breakers and (1) 20A 1-Pole GFCI Breaker

• Enclosure: NEMA 1 for Indoor Applications, Bottom Feed

Panelboard: The MPD-PB-LB-MB-YT-F-L-24-BF-N1-Z-M2 power distribution panelboard allows operators to distribute and protect multiple 208Y/120V circuits from a single main disconnect. On the line-in side, operators connect three-phase 208Y/120V power through a bottom-feed conduit entry. This panelboard distributes power from the electrical feed to various branch circuits for equipment, receptacles, and lighting loads. Breaker poles, breaker amperage, circuit count, bus rating, and branch breaker layout can be customized upon request.

Main Breaker Panel vs Main Lug Only Panel: Panelboards are available with a main circuit breaker or as main lug only (MLO). A main circuit breaker provides overcurrent protection and serves as the primary unit serving all branch circuits and controls within the panel. This type of panel offers a single disconnection method for connected loads. A MLO panel typically serves as an add-on or sub panel, which is connected to a main breaker panel. A MLO panel does not have overcurrent protection or devices.

Enclosure: The MPD-PB-LB-MB-YT-F-L-24-BF-N1-Z-M2 is constructed from CNC-formed

carbon steel with a hot-dipped galvanized, ANSI 70 Light Gray finish. The panel features a hinged, lockable front door and internal deadfront barrier for safety. The NEMA 1 enclosure is intended for indoor installation in electrical rooms, utility areas, and conditioned spaces. Conduit entry is supported via bottom-feed design with additional side knockouts.

*See specification table at the top of the page for more information about the the panel system.

Protective Construction: This indoor-rated steel enclosure protects operators from accidental contact with live parts. The deadfront barrier and hinged locking access door enhance safety and maintenance convenience. This unit is compatible with standard wall-mounted installations.

This power distribution panel can be modified to meet a wide range of jobsite breaker requirements. Custom versions are available with additional breakers, GFCI/XFGFCI protection, surge protection, receptacle banks, pedestal mounts, or mobile configurations.

Certification: All units are built in accordance to NFPA 70 (National Electric Code), NEMA PB1 and NRTL certified to UL 1640.

Grounding: The panel is grounded to the frame and we provide a grounding lug on the frame for the earth ground.
~Please check all motor loads for dual rated motors that will work 208 or 240.~

Applications: This power distribution system is ideal for indoor or outdoor use and applications including but not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. These power distribution systems are popularly used in applications where external power sources are often necessary. We also offer class rated transformers for use within explosion proof and hazardous location environments.

Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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Frequently Asked Questions (FAQ)

There are no Faqs



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Export Control Classification Number (ECCN): EAR99

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- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/327218.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/327218.JPG)
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