Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
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MPD-PB-RB-ML-YE-G-L-18-BF-N3R-5.R60

150A Power Panelboard, 3PH Main Lug Only Panel, 18 Circuit, 480Y/277, (5) 30A 3P Breakers, NEMA 3R, Wall Mount

Product ID: 286644



Image: MPD-PB-RB-ML-YE-G-L-18-BF-N3R-5.R60

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-RB-ML-YE-G-L-18-BF-N3R-5.R60 - Electrical Panel

Item Type: Deadfront Power Distribution Panelboard
Panel Type: Main Breaker Panel (MCB)
System Voltage (V): 480Y/277 AC Wye
Phase (PH): 3-Phase (3PH)
Frequency (HZ): 60 Hz (60-cycles)
System Amperage: 150A
Line-In Connection: (3) Terminal Lugs, Accepts 3/0-500 kcmil
Line-In Orientation: Bottom Feed
Mains Capacity: 150 Amps
Main Breaker Size: N/A
Main Breaker Type: Molded Case Circuit Breaker (MCCB)
Main Breaker Short Circuit Current Rating (SCCR) : N/A
Circuit Count: 318 Ckt: (18) Circuits Din Rail Mount
Branch Breakers: (5) 30 Amp 3-Pole MCB [480V]
Branch Breaker Size: 30A 3P Breaker: Din Rail Mount
Branch Breaker Type: Minatare Circuit Breaker (MCCB)
Branch Breaker Short Circuit Current Rating (SCCR): 22 kAIC
Neutral Connection: Insulated Neutral Bar Kit Included
Ground Connection: Ground Bar Kit Included
Line-In Connection: Breaker Outputs
Line-In Orientation: Bottom, Side Knockouts

Ratings

Max Primary OCP: 150A @ 480V

Made in the USA
NRTL Certified to UL 1640
NEMA 3R Rated Indoor/Outdoor Use
Service Entrance Equipment Rated

Mount: Wall Mounted
Enclosure Door: (1) Left Hinged Door w/ Handle
Enclosure Rating: NEMA 3R
Enclosure Material: 11GA Sheet Steel
Bus Material: Tin Coated Copper
Finish Color: ANSI 70 Light Grey
Finish Type: High-strength TGIC Polyester Powder Coated
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-RB-ML-YE-G-L-18-BF-N3R-5.R60 Power Distribution Main Lug Only Panelboard facilitates electrical and power connections in industrial sites. This unit provides operators the ability to safely tap into and distribute three phase 480Y/277 AC power from a variety of sources including generators and direct grid power.

Panelboard: The MPD-PB-RB-ML-YE-G-L-18-BF-N3R-5.R60 power distribution unit gives operators the ability to power their 480Y/277 volt equipment from a single system. On the primary side, operators connect three-phase 480Y/277 volt line-in power using a customer-provided cord. This panelboard distributes power from an electrical feed to various branch circuits. Models with breakers offer circuit protection.

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.

Operation:

• Voltage: 3-Phase 480Y/277 AC 3PH

• Panel: 150A Main Lug Only, Hinged, 18Ckt, N3R

• Branch Breaker(s): (5) 30A 3P [480V], Branch Breakers Compatible with Larson Electronics Din Rail Mount Branch Breakers

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

Protective Construction: The power distribution system is protected by steel construction. Equipped with hinged locking doors, the main breaker panelboard carries a NEMA 3R rating for use in indoor or outdoor locations and protection from water, debris, corrosion, and external ice formation. This unit is compatible with wall mounting installations.

This power distribution solution can be modified to meet the needs of job-site receptacle requirements. Larger units are available upon request and can be equipped with skids or trailer mount.

Certification: All units are built in accordance to NFPA 70 (National Electric Code), NEMA PB1 and NRTL certified to UL 1640. NEMA 4 and NEMA 4X equipment can be equipped upon request.

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.~

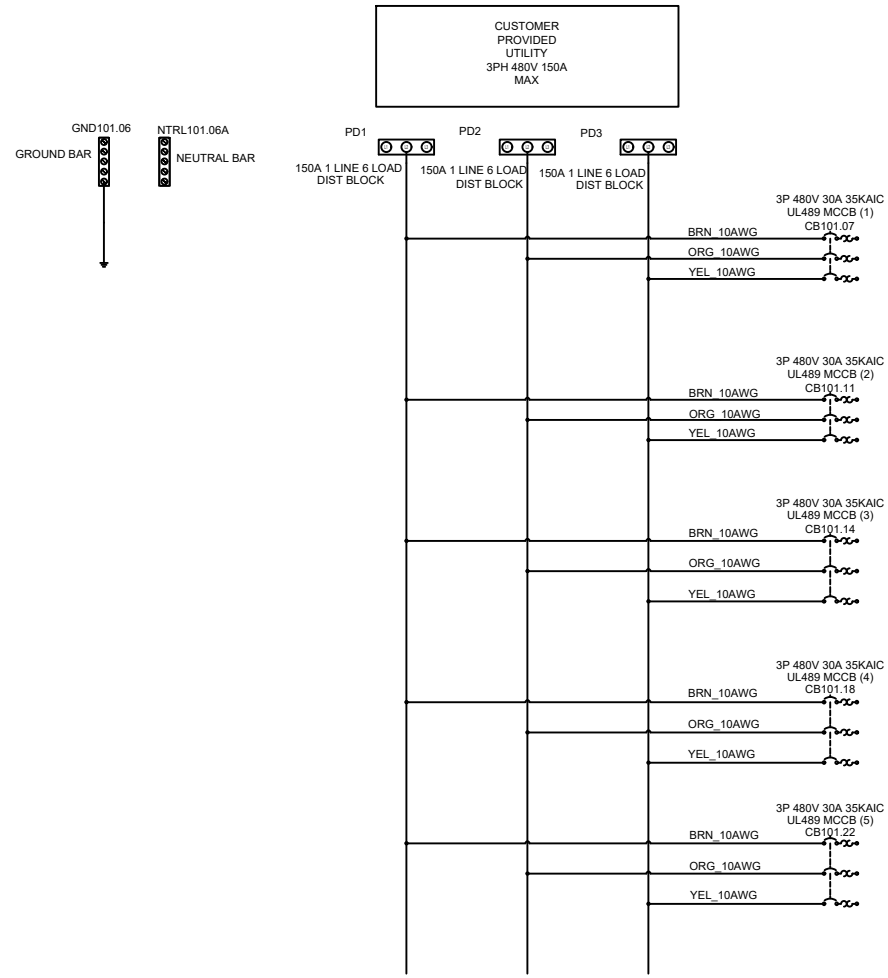
Applications: This power distribution system is ideal for indoor or outdoor use and applications including but not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. These power distribution systems are popularly used in applications where 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.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	11/8/2026

MPD-PB-RB-ML-YE-G-L-18-BF-N3R-5.R60

LARSON ELECTRONICS®



TAGS	QTY	CATALOG	DESCRIPTION
PD1 PD2 PD3	3	UNV00016633	380A 1 LINE 6 LOAD Finger Safe Power Distribution Block
CB101.07 CB101.11 CB101.14 CB101.18 CB101.22	5	UNV00015172	3P 480V 30A 35KAIC MCCB UL 489 molded case circuit breaker
NTRL101.06A	1	UNV00021861	INSULATED NEUTRAL ASSEMBLY, 200A, 30 TERMINALS
GND101.06	1	UNV00013942C	GROUND BAR KIT

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TITLE: MPD-PB-RB-ML-YE-G-L-18-BF-N3R-5.R60

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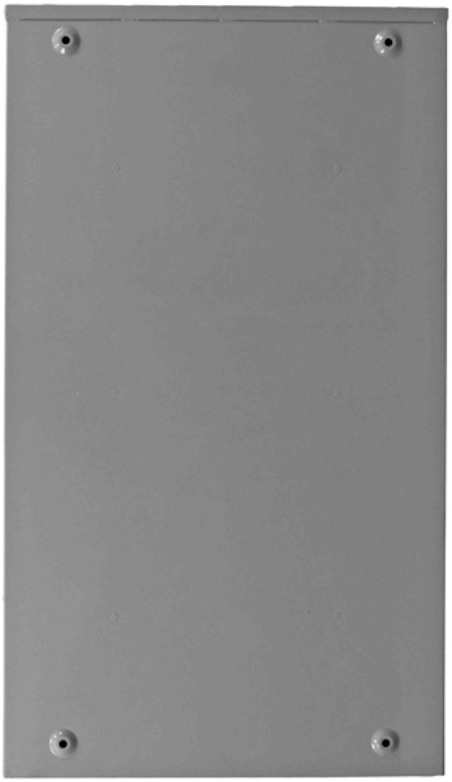

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Frequently Asked Questions (FAQ)

There are no Faqs