

MPD-PB-RA-MB-YE-DF-24-TF-N3R-4.T33

600A Power Distribution Panelboard, Main Breaker Panel,-480Y/277, (4) 125A Breakers, NEMA 3R, Wall Mount -

Product ID: 287067



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-RA-MB-YE-DF-24-TF-N3R-4.T33 - 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: 600A

Line-In Connection: (3) Terminal Lugs, Accepts 3/0-500 kcmil

Line-In Orientation: top Feed

Mains Capacity: 600 Amps

Main Breaker Size: 600AF

Main Breaker Type: Molded Case Circuit Breaker (MCCB)

Main Breaker Short Circuit Current Rating (SCCR) : 65 kAIC

Circuit Count: 24 Ckt

Branch Breakers: (4) 125A 3-Pole MCCB [480V]

Branch Breaker Size: 150AF

Branch Breaker Type: 125A 3P: Molded Case Circuit Breaker (MCCB)

Branch Breaker Short Circuit Current Rating (SCCR): 125A 3P: 35 kAIC

Neutral Connection: Insulated Neutral Bar Kit Included

Ground Connection: Ground Bar Kit Included

Line-In Connection: Breaker Outputs

Line-In Orientation: top, Side Knockouts

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

Ratings

Max Primary OCP: 600A @ 480V

Made in the USA

NRTL Certified to UL 1640

NEMA 3R Rated Indoor/Outdoor Use

Service Entrance Equipment Rated

Special Orders - Requirements

Contact us for special requirements

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.

Phone: 1-214-616-6180

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

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-RA-MB-YE-DF-24-TF-N3R-4.T33 Power Distribution Main Breaker 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-RA-MB-YE-DF-24-TF-N3R-4.T33 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: 600A MB Hinged 24Ckt. N3R
- Branch Breaker(s): (4) 125A 3P Branch Breakers [480V] - Compatible with Larson Electronics 150AF Size 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.~

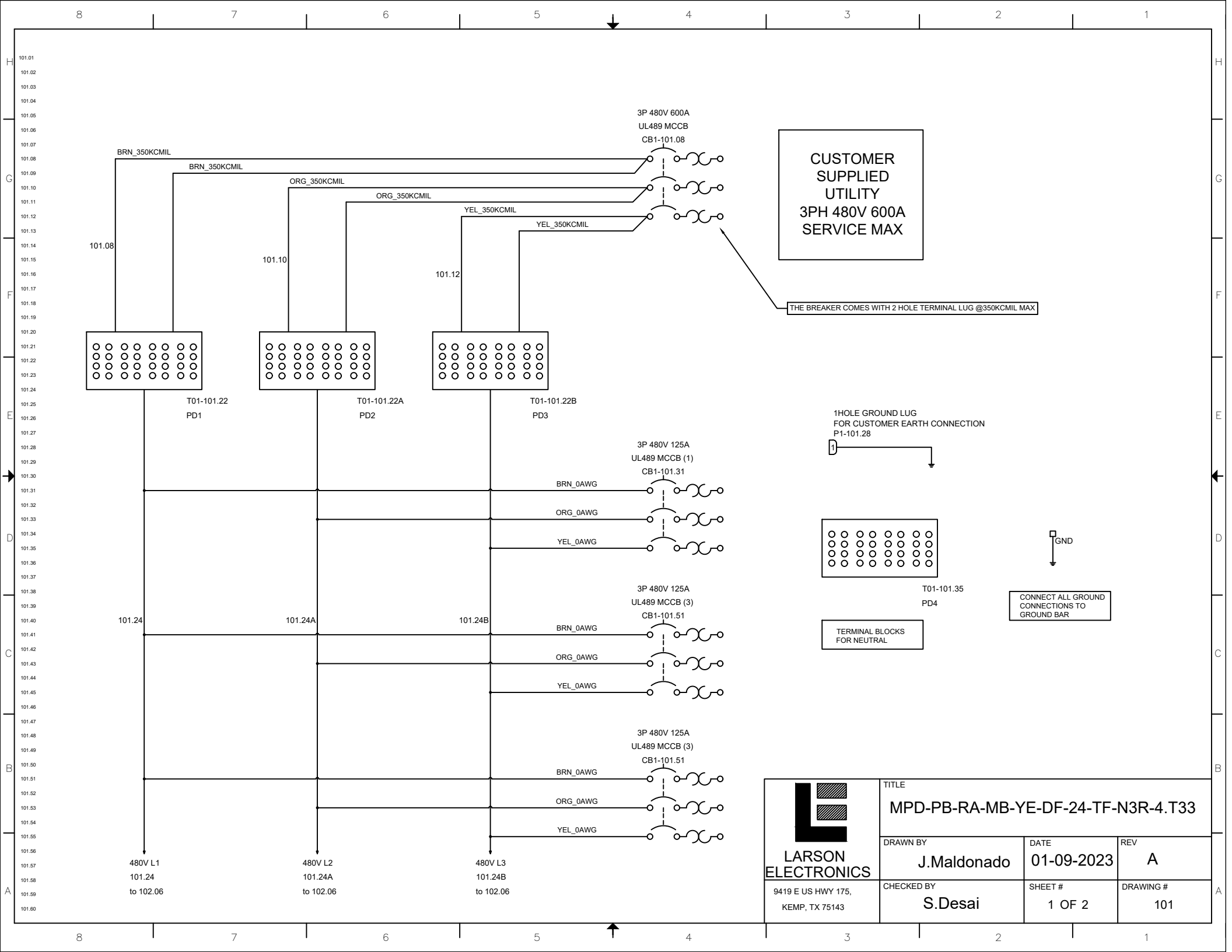
Applications: This power distribution system is ideal for indoor or outdoor use and applications including but not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. These power distribution systems are popularly used in applications where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

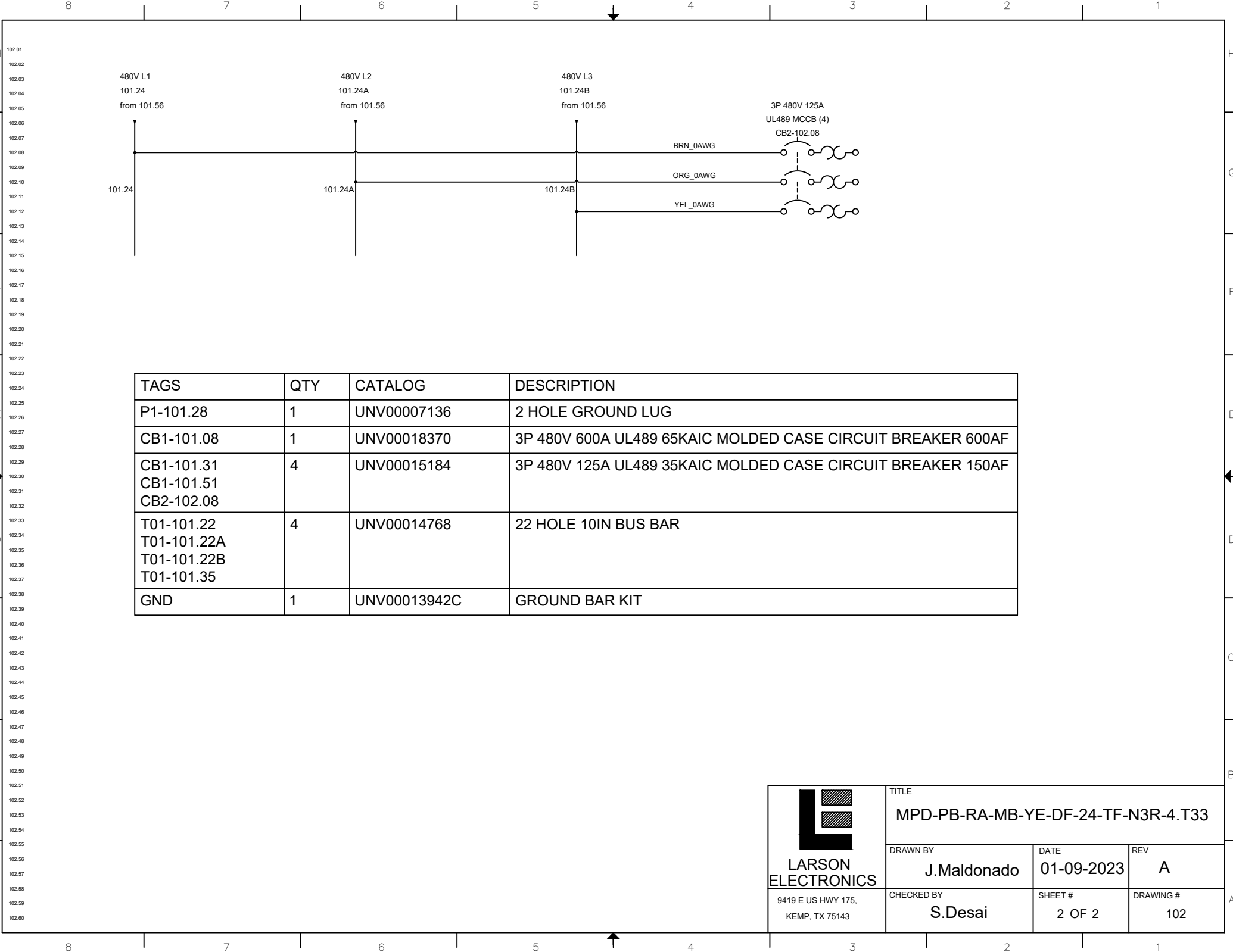
Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, we can deliver custom ordered units almost as quickly as our prebuilt units. 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.

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H	REV	DESCRIPTION						DATE
	A	PRODUCTION RELEASE						01-09-2023
G	MPD-PB-RA-MB-YE-DF-24-TF-N3R-4.T33 							
F								
E								
D								
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A								
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TAGS	QTY	CATALOG	DESCRIPTION
P1-101.28	1	UNV00007136	2 HOLE GROUND LUG
CB1-101.08	1	UNV00018370	3P 480V 600A UL489 65KAIC MOLDED CASE CIRCUIT BREAKER 600AF
CB1-101.31 CB1-101.51 CB2-102.08	4	UNV00015184	3P 480V 125A UL489 35KAIC MOLDED CASE CIRCUIT BREAKER 150AF
T01-101.22 T01-101.22A T01-101.22B T01-101.35	4	UNV00014768	22 HOLE 10IN BUS BAR
GND	1	UNV00013942C	GROUND BAR KIT



LARSON
ELECTRONICS

9419 E US HWY 175,
KEMP, TX 75143

TITLE
MPD-PB-RA-MB-YE-DF-24-TF-N3R-4.T33

DRAWN BY
J.Maldonado

CHECKED BY
S.Desai

DATE
01-09-2023

SHEET #
2 OF 2

REV
A

DRAWING #
102



Frequently Asked Questions (FAQ)