

**300KVA Portable Power Distribution Transformer - 480V to 208Y/120V 3PH**

Part #: MPD-480-400D-300K-LO



**Made in Texas**

The Larson Electronics MPD-480-400D-300K-LO power distribution substation converts 480V three phase electrical current into three phase 208Y/120V. This unit provides operators the ability to safely tap into and distribute 480V AC power from a variety of sources including generators and direct grid power.

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

**Portable Power Distribution Purpose and Use:** The MPD-480-400D-300K-LO portable power distribution system gives operators the ability to power their 208Y/120V equipment from a single system. On the primary side, operators connect 480 volt using a customer provided cord. On the secondary side, mechanical lugs are provided for completing electrical connections to the transformer.

**Operation:** A customer provided cord brings 480V three phase power to the NEMA 3R 400-amp, 600V three phase primary disconnect, which contains three 400-amp time delay fuses, and passes 480V three phase through to the transformer. The NEMA 3R 300 KVA transformer converts 480V three phase power to 208Y/120V three phase and passes the current to the secondary side. The secondary side of the transformer is equipped with mechanical lugs that will accept (3) 300MCM line out cord for operators to feeds customer provided 208Y/120V three phase panels, spider boxes, or other equipment.

**Protective Construction:** Unlike many portable power distribution boxes made of plastic and utilizing thin gauge, low grade metals in their construction, this unit is designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The transformer and load assembly is mounted on a 3/16" thick carbon steel mounting platform and the load center/distribution assembly is mounted to the standard 2" x 2" x 1/8" square carbon steel tubing frame, resulting in an extremely stable, durable and well protected power distribution platform. This model is equipped with forklift skid pockets, locking casters, and a top located lifting eyelet which allows easy lifting with cable or chain hooks. This can be replaced for an additional cost with stainless steel, hot dip galvanized steel, or aluminum depending on the customer's needs. Larger units are available upon request and can be equipped with skids or trailer mounted.

**Certification:** Larson Electronics is a UL 1640 panel shop and certified to build portable power distribution systems. All units are built in accordance to NFPA 70 (National Electric Code) and certified to UL 1640. All equipment is NEMA 3R rated for indoor and outdoor use and provide a degree of protection against dirt, water, and ice. NEMA 4 and NEMA 4X equipment can be equipped upon request.

**Grounding:** Transformer 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.

**Specifications / Additional Information****MPD-480-400D-300K-LO Power Distribution**

**Line-In Cord:** Customer Provided

**Max OCP Primary:** 400A @ 600V

**Line-In Cord Cap:** Customer Provided

**Max OCP Secondary:** -

**Primary Voltage:** 480V 3PH

UL 1640 Portable Power-Distribution Equipment

**Primary Disconnect:** 400A 600V 3PH Fused @ 400A N3R

NEMA 3R Indoor / Outdoor Use

**Primary Panel:** -

Made in the USA

**Primary FCAN:** 2 x 2.5%

**Primary FCBN:** 4 x 2.5%

**Primary Breakers:** -

**Primary Receptacles:** -

**Primary Protection:** Disconnect Switch

**Transformer:** 300KVA 480V 208Y/120V 3PH N3R

**Secondary Voltage:** 208Y/120V 3PH

**Secondary Disconnect:** -

**Secondary Panel:** -

**Secondary Breakers:** -

**Secondary Receptacles:** -

**Secondary Protection:** -

**Form Factor:** Square tube frame, skid pockets, top pick eye & locking 8" locking casters

**Frame Materials:** Powder coated steel frame

**Dimensions:** 80"L x 44"W x 73"H

**Weight:** 2000 pounds

Larson Electronics manufacture 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.

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[Part #: MPD-480-400D-300K-LO \(150886\)](#)

#### Special Orders- Requirements

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-498-3363

**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\*









Links (Click on the below items to view):

- [Manual](#)
- [WiringDiagram](#)
- [Hi-Res Image 1- 30 KVA Power Distribution Panel](#)
- [Hi-Res Image 2- 30 KVA Power Distribution Panel](#)
- [Hi-Res Image 3- 30 KVA Power Distribution Panel](#)
- [Hi-Res Image 4- 30 KVA Power Distribution Panel](#)
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