

**75 KVA Portable Power Distribution - 480V-120/240V 1PH - NEMA 3R Disconnect, Transformer and Panel**

Part #: [MPD-480-75-300MB-120.240](#)

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**Made in Texas**

The Larson Electronics MPD-480-75-300MB-120.240 power distribution substation converts 480V AC three phase electrical current into single phase 120/240V AC. 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-480-75-300MB-120.240 portable power distribution system gives operators the ability to power their 240 volt and 120 volt equipment from a single system. On the primary side, operators connect 480 volt line-in power via a 20' SOOW cord. On the secondary side, operators provide their own outlets to power 240 volt and 120 volt equipment.

**Operation:** A 20' SOOW line-in cord brings in 480V three phase power to the NEMA 3R 200-amp, 480V three phase primary disconnect, which contains two 200-amp time delay fuses protecting the 75 KVA transformer. The NEMA 3R 75 KVA transformer converts 480V three phase power to 120/240V single phase and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 300-amp, 120/240V single phase MCB panel. This secondary panel provides space for operators to insert customer-provided outlets to power 240 volt and 120 volt 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-480-75-300MB-120.240 Power Transformer****Line-In Cord:** 20' SOOW Cord**Line-In Cord Cap:** -**Primary Voltage:** 480V 3-Phase**Primary Disconnect:** 480V 200A Fused @ 200A N3R**Primary Panel:** -**Primary Breakers:** -**Primary Receptacles:** -**Primary Protection:** Disconnect Switch**Transformer:** 75KVA 480V 3-Phase to 120/240V 1-Phase N3R**Secondary Voltage:** 120/240V 1-Phase**Secondary Panel:** 120/240V 300A MCB N3R**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:** 34" X 44" X 58"**Weight:** 600 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.

**Max OCP Primary:** 200A @ 480V**Max OCP Secondary:** -

UL 1640 Portable Power-Distribution Equipment

NEMA 3R Indoor / Outdoor Use

Made in the USA

**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\*

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This product does not qualify for free shipping.

Part #: MPD-480-75-300MB-120.240 (147529)

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