

75KVA Mobile Power Distribution System - 480V to 208Y/120V 3PH - (8) CS8369 (18) N5-20R Receptacles

Part #: MPD-75KVA-18X120-8X208



Made in the USA

The Larson Electronics MPD-75KVA-18X120-8X208 power distribution substation converts 480V AC three phase electrical current into three phase 208Y/120V 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.

Portable Power Distribution Purpose and Use

The MPD-75KVA-18X120-8X208 portable power distribution system gives operators the ability to power their 208Y and 120 volt equipment from a single system. On the primary side, operators connect 480 volt via 25' of #2 SOOW cord. On the secondary side, operators connect to eight CS8369 receptacles for 208Y equipment and to eighteen N5-20R GFCI receptacles for 120V equipment. All receptacles are mounted on a backplate for seamless access and protected by weatherproof covers.

Operation: A 25' #2 SOOW line-in cord brings 480V three phase power to the 200-amp, 480V three-phase primary disconnect, which contains three 125-amp time-delay fuses protecting the 75 KVA transformer. The NEMA 3R 75 KVA transformer converts 480V three phase power to 208Y/120V three phase and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 225-amp main lug only panel. This secondary panel contains eight 50-amp breakers, protecting eight 50-amp CS8369 250V AC twist-lock receptacles, and eighteen 20-amp breakers protecting eighteen 20-amp N5-20R 120V GFCI receptacles.



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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 polyurethane 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.

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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-75KVA-18X120-8X208 Power Transformer****Line-In Cord:** 25' #2 SOOW Cord**Primary Voltage:** 480V 3PH**Primary Disconnect:** 480V 3PH 200A Fused @ 125A N3R**Primary Protection:** Disconnect**Transformer:** 75KVA 480V to 208Y/120V 3PH N3R**Secondary Panel:** 208Y/120V 3PH 225A MLO Panel N3R**Secondary Breakers:** (8) 50A, (18) 20A**Secondary Panel Outlets:** (8) CS8369 50A Twist-lock [250V], (18) N5-20R 20A GFCI [120V]**Protection:** GFCI, Weatherproof Covers**Form Factor:** Square tube frame w/ skid pockets, top pick eye & locking 8" casters**Dimensions:** 34"-L X 40"-W X 58"-H**Weight:** 600lbs**Features:****Max Primary OCP:** 200A @ 480V**Max Secondary OCP:** 225A @ 208Y

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.

Ratings

UL 1640 Portable Power-Distribution Equipment

NEMA 3R Indoor or Outdoor Use

Made in the USA

Receptacles Mounted on Backplate

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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Links (Click on the below items to view):

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