Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MPD-480V.3PH-75KVA-208Y.120V-12X100A

75KVA Power Distribution System - 480V to 208Y/120V 3PH - (5) 5100R9W Outlets - 75' #4 Type W Cord

Product ID: 144196

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).

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.

MPD-480V.3PH-75KVA-208Y.120V-12X100A
Power Distribution System

Line-In Cord: 75` #4 Type W Cord w/ Blunt-cut End
Primary Voltage: 480VAC 3PH
Primary Disconnect: 480V 3PH 100A N3R Fused @ 100A
Primary Protection: Time Delay Fuses
Transformer KVA: 75KVA 480V to 208Y/120V 3PH N3R
Secondary Voltage: 208Y/120VAC 3PH
Secondary Panel: 208Y/120V 3PH 225A MLO N3R
Secondary Breakers: (5) 100A 3P [208V]
Secondary Outlets: (5) 100A 5100R9W [208Y/120V]
Secondary Protection: Weatherproof Covers
Form Factor: Square tube frame w/ skid pockets, top pick eye & locking 10” foam filled casters
Finish: Powdered Coated - Grey
Dimensions: 34”-L X 40”-W X 58”-H
Weight: 600 lbs
Features:
Max Primary OCP: 100A @ 480V
Max Secondary Output: 208.2A @ 208V

Ratings

UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor or Outdoor Use
Made in the USA

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

Larson Electronics manufacture a wide variety of custom power distribution systems. The *All grounding shall comply with state and local codes and

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.

meet the minimum requirements of the National Electronic Code section 250*

Made in the USA

The Larson Electronics MPD-480V.3PH-75KVA-208Y.120V-12X100A heavy duty power transformer substation converts 480VAC three phase electrical current to 208Y/120VAC three phase. This unit provides operators the ability to safely tap into and distribute 480VAC 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*

The Larson Electronics MPD-480V.3PH-75KVA-208Y.120V-12X100A portable power distribution system gives operators the ability to power their 208 volt and 120 volt equipment from a single system. On the primary side, operators bring 480V line-in power using 75` of #4 Type W cord with a blunt-cut end. On the secondary side, operators can access five 5100R9W receptacles for 208Y/120V equipment. All receptacles are protected with weatherproof covers.

Operation: A 75` #4 Type W cord terminated in a blunt-cut end brings 480V three phase power to the 100-amp 480V three-phase fused disconnect, which contains three 100-amp time delay fuses, and passes power to the transformer. The NEMA 3R 75 KVA transformer converts 480V three phase power to 208Y/120V and passes the current to the secondary panel. The secondary side of the transformer feeds a 225-amp main lug three phase NEMA 3R circuit breaker panel. This secondary panel contains five 100-amp, 3-pole, 208V breakers protecting five 100-amp, 208Y/120V, 5100R9W receptacles.

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 foam filled 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.

Click Photo to Enlarge

Click Photo to Enlarge

Click Photo to Enlarge

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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

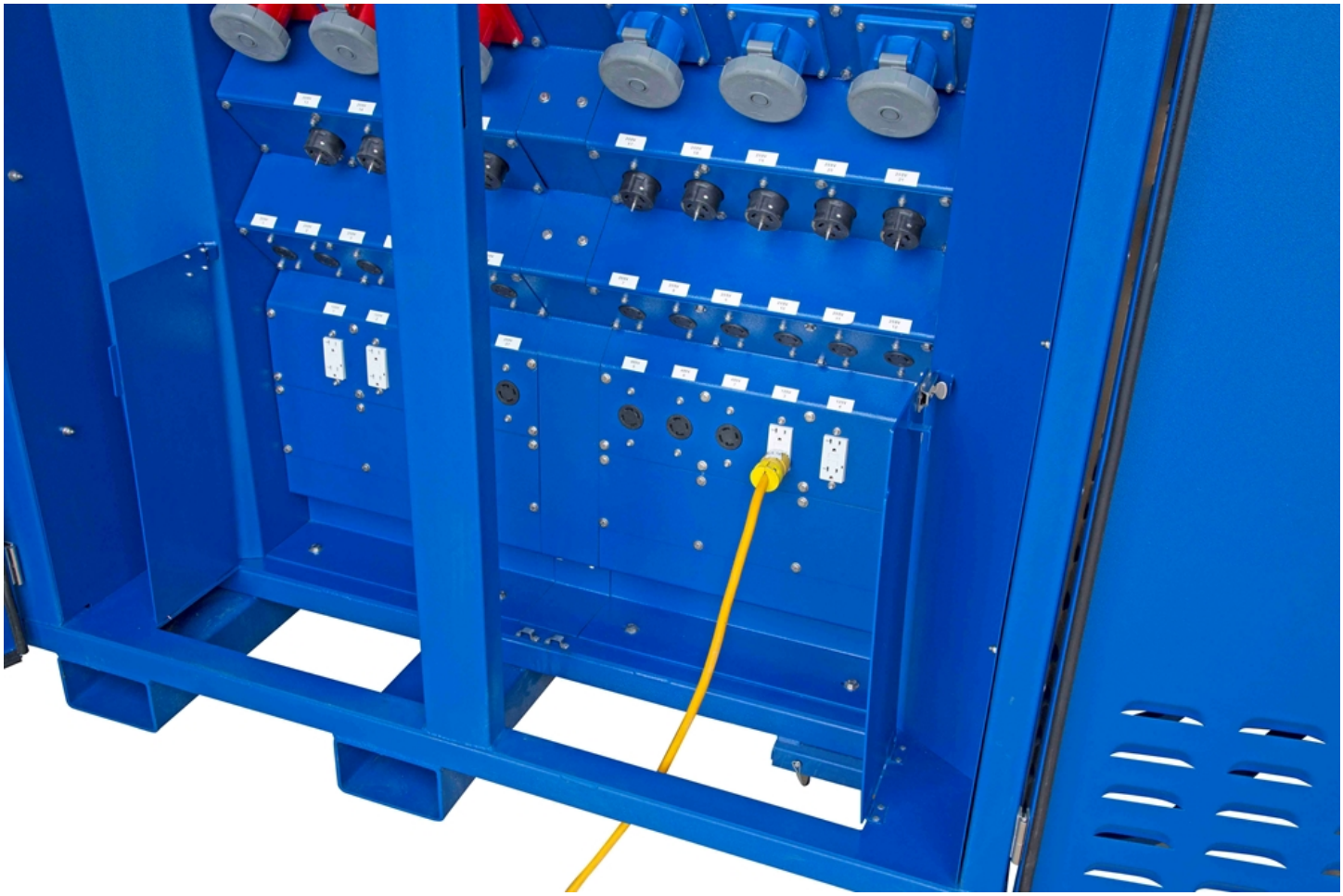
Frequently Asked Questions (FAQ)

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MPD-480V.3PH-75KVA-208Y.120V-12X100A

Product ID: 144196

Harmonized System (HS) Code: 8504.21.0040

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- ANSI Certificate 1
- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- Catalog Page - Product Series
- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 5, Misc
- Dimensional Drawing 2D
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- STEP File (3D CAD Model)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map