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-MRW-480V.3PH-45KVA-MLO-120.3PH-24X120.20A

45KVA Power Distribution - 480V to 208/120V 3P - (24) 20A GFCI Receptacles - Retention Walls

Product ID: 146007

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.

This unit is Made In USA - Manufactured in Texas

MPD-MRW-480V.3PH-45KVA-MLO-120.3PH-24X120.20A
Power Distribution System

Line-In Cord: Customer provided
Primary Voltage: 480V AC Three Phase
Primary Disconnect: 60A Fused @ 60A
Transformer KVA: 45KVA 480V-3P to 208Y/120-3P AC N3R
Line Out: 120V AC 3P
Secondary Panel: 125A MLO N3R Panel
Secondary Breakers: (24) 20A 120V
Secondary Outlets: (24) 20A GFCI Duplex w/ Hinged Covers
Form Factor: Square tube frame w/ 1/8" side walls, hinged access doors, skid pockets, top pick eye & locking 8” locking casters
Finish: Powdered Coated - Blue
Dimensions: 40”-L X 40”-W X 58”-H
Weight: 700 lbs
Features:
Primary OCP: 60A @ 480V AC

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

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

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-MRW-480V.3PH-45KVA-MLO-120.3PH-24X120.20A heavy duty power transformer substation converts 480 AC three phase electrical current to three phase 208Y/120 AC. This unit provides operators the ability to safely tap into and distribute 120V AC power from a variety of sources including generators and direct grid power. This portable substation is suitable for outdoor applications, with a fully potted transformer and NEMA 3R load center, and 1/8" walls and hinged doors to limit access to the unit. Operators can connect up to twenty-four 20A 120V devices on 120V circuits via 5-20R GFCI protected receptacles with waterproof covers.

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

The Larson Electronics MPD-MRW-480V.3PH-45KVA-MLO-120.3PH-24X120.20A transformer provides a safe and effective way for operators in industrial settings to tap into and utilize power sources independently of the work area. This unit provides an effective power source for operators performing plant turnarounds, maintenance and cleaning in hazardous areas, equipment installations and repairs and any activities requiring an alternative to native power sources.

Operation: Customer provided line-in cord brings 480V three phase power to the 60-amp, 480V, 3-phase fused disconnect, which contains three 60-amp time delay fuses protecting the 45 KVA transformer. The NEMA 3R transformer converts 480V three phase power to three phase 208Y/120. The secondary side of the transformer feeds a 120V three phase 3-wire NEMA 3R 125-amp MLO panel. This secondary panel contains twenty-four 20-amp, 120V breakers protecting twenty-four 20-amp GFCI duplex receptacles with waterproof hinged covers. The duplex receptacles are mounted to a flat plat backboard for easy access when connecting secondary devices.

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.

1/8" metal side walls prevent children and unwanted bystanders from accessing the load center or disconnecting equipment during operation and deployment. Three 1/8" hinged doors allow operators to access the disconnect, breaker panel, and receptacles.



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)



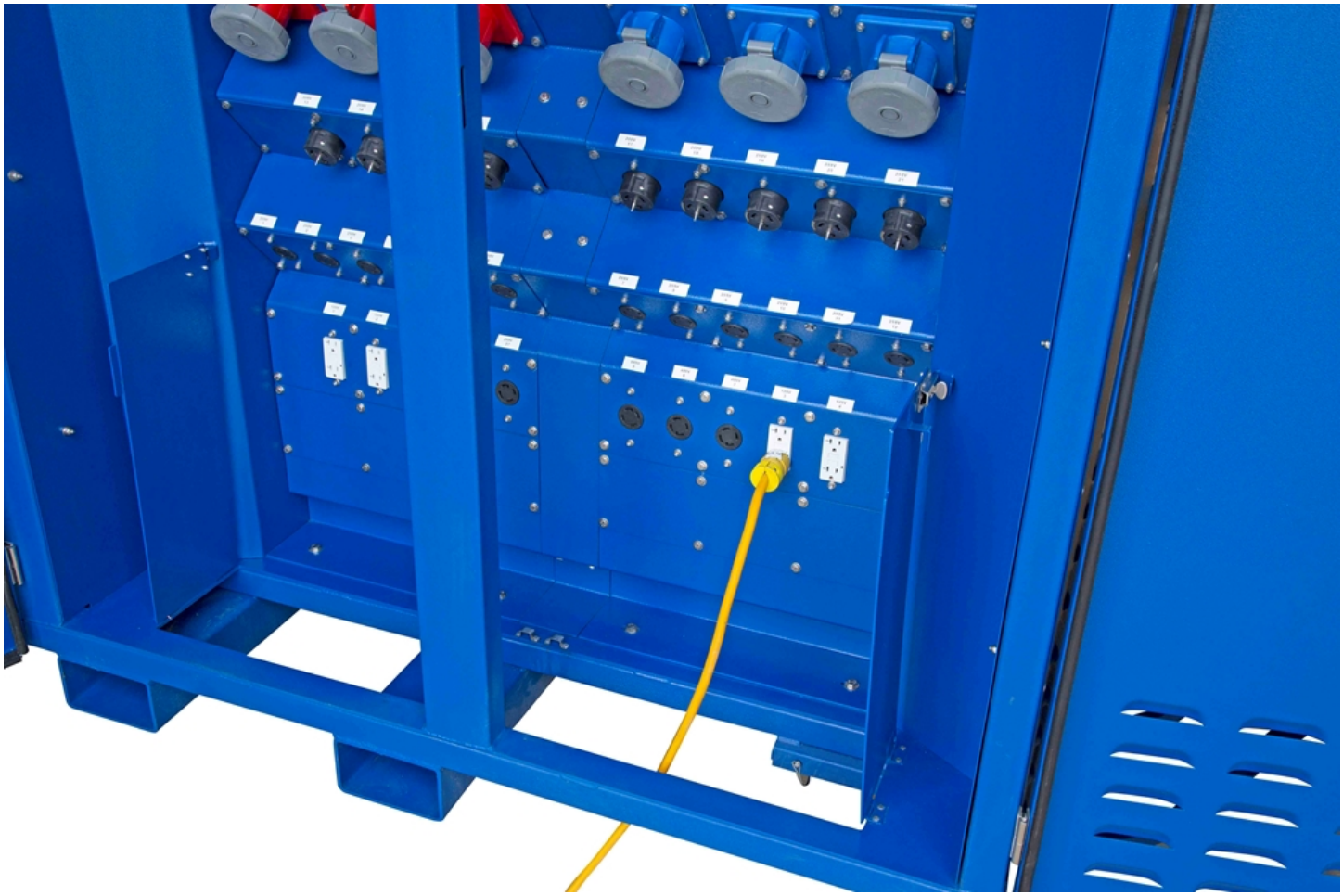
Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

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-MRW-480V.3PH-45KVA-MLO-120.3PH-24X120.20A

Product ID: 146007

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
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map