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

MGS-2X480.30A-75KVA-8X208.50A-6X208.20A-2X120.20A

75KVA Power Distribution - 480V to 208Y/120V - (2) 30A 480V (8) 50A 208V (6) 20A 208V (2) 20A 120V

Product ID: 146012

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

MGS-2X480.30A-75KVA-8X208.50A-6X208.20A-2X120.20A
Power Distribution System

Line-In Cord: Customer provided

Line-In Cord Cap: Customer provided
Primary Voltage: 480V AC Three Phase

Primary Panel: 225A MLO N3R

Primary Breakers: (2) 30A (480V RCPT), (1) 100A (XMFR)
Primary Outlets: (2) 30A 4P4W Pin/Sleeve
Transformer KVA: 75KVA 480V-3P to 208Y120-3P N3R
Secondary Voltage: 208Y/120 3P
Secondary Panel: 225A MLO N3R
Secondary Breakers: (8) 50A (208V RCPT), (6) 20A (208V RCPT), (2) 20A (120V RCPT)

Secondary Outlets: (8) 50A CS6369, (6) L15-20R, (2) 5-20R Duplex

Form Factor: Square tube frame, hinged access doors, skid pockets, top pick eye & locking 8” locking casters
Finish: Powdered Coated - Blue
Dimensions: 34”-L X 40”-W X 58”-H

Weight: 750 lbs

Features:

Primary OCP: 60A @ 480V AC

Ratings

NRTL Certified to 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

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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.

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 MGS-2X480.30A-75KVA-8X208.50A-6X208.20A-2X120.20A heavy duty power transformer substation converts 480 AC three phase electrical current to three phase 208Y/120V AC. This unit provides operators the ability to safely tap into and distribute 208V and 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. Operators can connect up to two 30A, 480V devices, eight 50A, 208V devices, six 20A, 208V devices, and two 20A, 120V devices.

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

The Larson Electronics MGS-2X480.30A-75KVA-8X208.50A-6X208.20A-2X120.20A 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 225-amp, 480V, 3-phase primary MLO panel, which contains two 30-amp breakers protecting two 30-amp, 4P4W, 480V receptacles and one 100-amp breaker protecting the 75 KVA transformer. The NEMA 3R transformer converts 480V three phase power to three phase 208Y/120V. The secondary side of the transformer feeds a three phase 208Y/120V NEMA 3R 225-amp MLO panel. This secondary panel contains eight 50-amp breakers protecting eight 50-amp CS6369 208V receptacles, six 20-amp breakers protecting six L15-20R 20-amp receptacles, and two 20-amp 120V breakers protecting two 20-amp 5-20R GFCI duplex receptacles. The receptacles are mounted to a flat plat backboard for easy access when connecting secondary devices, and all receptacles are equipped with waterproof hinged covers.

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.



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.

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Frequently Asked Questions (FAQ)



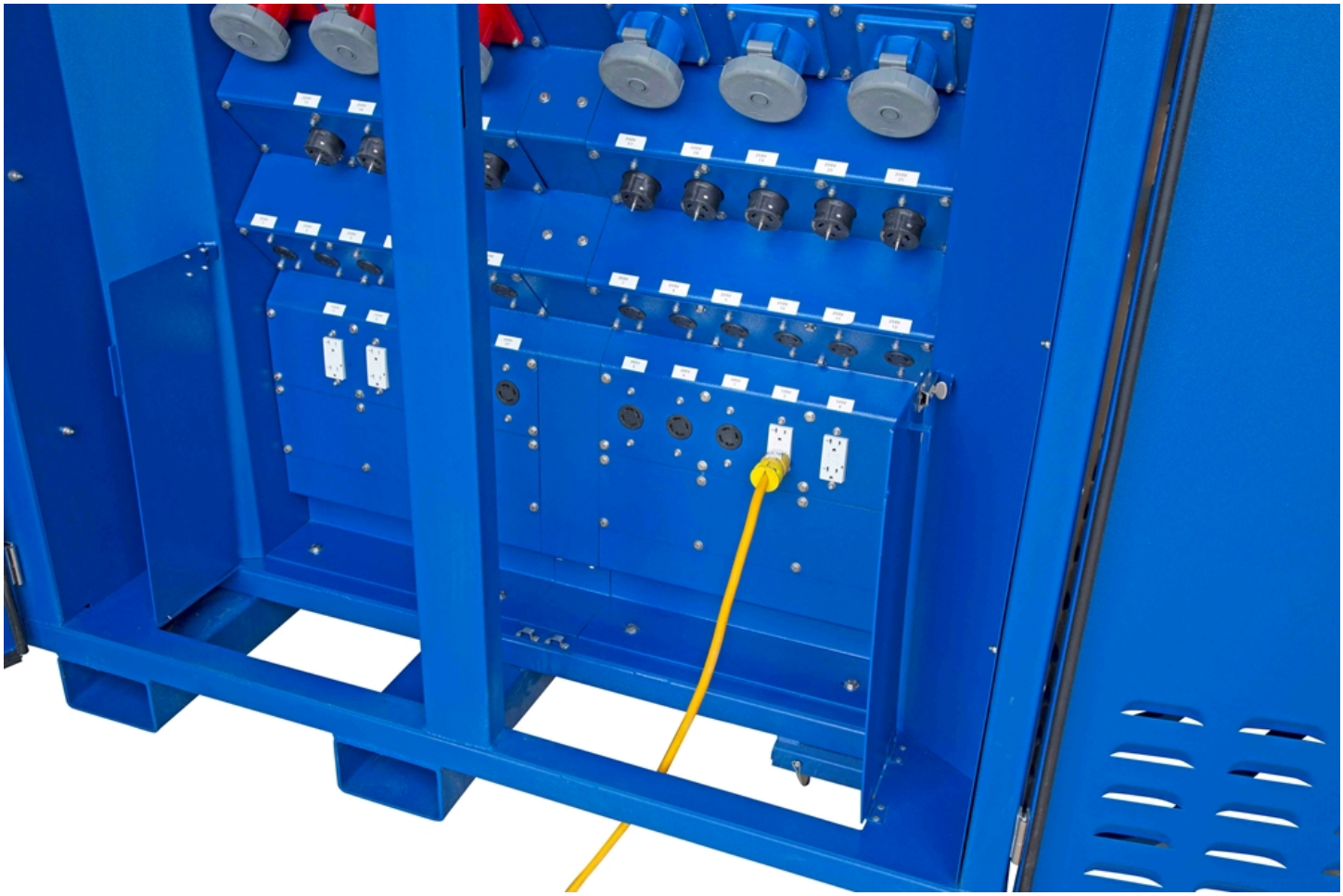
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Product ID: 146012

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
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map