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-480-150KVA-208Y.120-6X20-6X60-6X100

150 KVA Power Distribution - 480V to 208Y/120V 3PH - (6) 4100R12W (6) 460R12W (6) GFCI Duplex

Product ID: 149885

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-480-150KVA-208Y.120-6X20-6X60-6X100 -Temporary Power Distribution System

Line In: Customer Provided Cord
Primary Voltage: 600V AC 3PH
Disconnect: 200A 600V 3PH, Fused @ 200A N3R
Primary Protection: Disconnect
Transformer: 150KVA 480V to 208Y/120V 3PH N3R
Secondary Voltage: 208Y/120V AC 3PH
Secondary Panel: 400A 208Y/120V 3PH MCB N3R
Secondary Breakers: (6) 100A, (6) 60A, (6) 20A
Secondary Receptacles: (6) 100A 4100R12W [125/250V], (6) 60A 460R12W [125/250V], (6) 20A GFCI Duplex [125V]
Secondary Protection: GFCI, Weatherproof Covers
Form Factor: Cube style with skid pockets, 8-inch locking casters, top pick eye, 1/8" cube wall
Dimensions: 48” X 48” X 55”
Weight: 700 lbs
Features:
Max Primary OCP: 200 amps @ 600V
Max Secondary OCP: 400 amps @ 208V

Larson Electronics manufacture a wide variety of custom power distribution systems. The

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

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

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The Larson Electronics MPD-480-150KVA-208Y.120-6X20-6X60-6X100 temporary power distribution substation converts 480V AC electrical current into three phase 208Y/120V. 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-480-150KVA-208Y.120-6X20-6X60-6X100 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 bring 480V line-in power using a customer-provided cord. On the secondary side, operators can access six 4100R12W receptacles for 120/240V AC equipment, six 460R12W receptacles for 120/240V AC equipment and six GFCI duplex receptacles for 120V equipment. All receptacles are protected with weatherproof covers and mounted on backplate.

Operation: A customer provided line-in cord brings 480V three phase power to the NEMA 3R 200-amp, 600V three phase primary disconnect, which contains three 200-amp time delay fuses, and passes power through to the transformer. The NEMA 3R 150 KVA transformer converts 480V to 208Y/120V three phase and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 400-amp 208Y/120V three phase main circuit breaker panel. This secondary panel contains six 100-amp breakers protecting six 100-amp, 4100R12W, 125/250V receptacles, six 60-amp breakers protecting six 60-amp, 460R12W, 125/250V receptacles, and six 20-amp breakers protecting six 20-amp GFCI duplex 125V 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. 1/8" metal sides prevent children and unwanted personel from accessing the load center. 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.

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.

Larson Electronics is a manufacturer and as such can build portable transformer

systems to your specifications. Although we carry several models of power distribution transformers, 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)



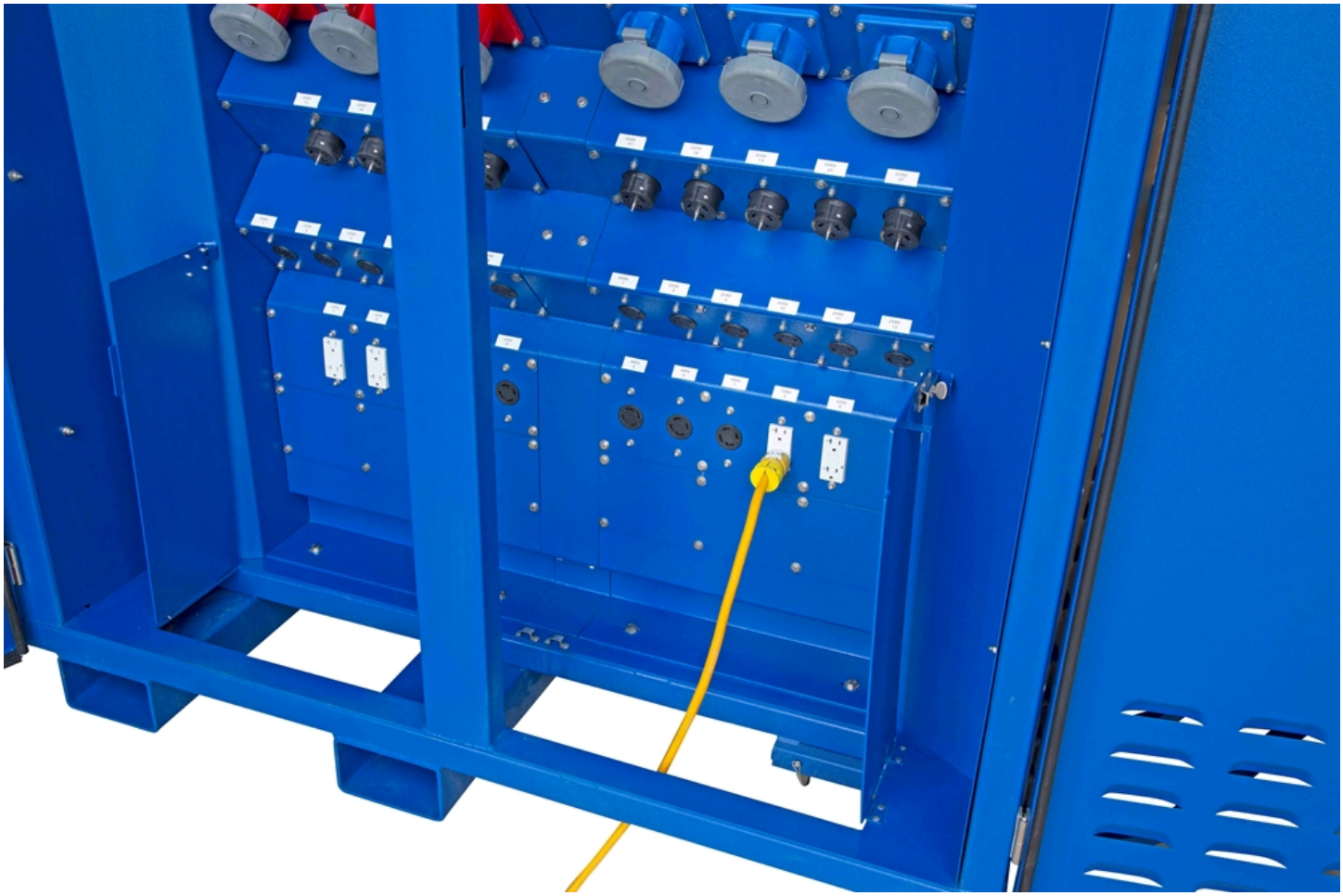
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Product ID: 149885

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)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map