

MPD-2X480.100-225K-12X120.20-3X208.50-2X208.100

225KVA Power Distribution - 480V-208Y/120V - (2) 480V (12) 120V GFCI (3) 208Y 460R9W (2) 4100R9W

Product ID: 147139

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-2X480.100-225K-12X120.20-3X208.50-2X208.100 Power Transformer

Line-In Cord: 400A Cam Lock (Male)
Line-In Cord Cap: 400A Cam Lock (Male)
Primary Voltage: 480V 3-Phase
Primary Disconnect: -
Primary Panel: 480V 400A Main N3R
Primary Breakers: (1) 300A, (2) 100A [480V]
Primary Receptacles: (2) - 4100R7W
Primary Protection: Weatherproof Covers
Transformer: 225KVA 480V 3-Phase to 208Y/120V 3-Phase N3R
Secondary Voltage: 208Y/120V 3-Phase
Secondary Panel: 208Y/120V 600A Main N3R
Secondary Breakers:(2) 100A [208Y], (3) 50A [208Y], (12) 20A [120V]
Secondary Receptacles: (2) 4100R9W [208Y], (3) 460R9W [208Y], (12) quad GFCI [120V]
Secondary Protection: GFCI (quad), Weatherproof Covers
Form Factor: Square tube frame, skid pockets, top pick eye & locking 8" locking casters
Frame Materials: Powder coated steel frame
Dimensions: 34" X 44" X 58"
Weight: 600 pounds

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.

Max OCP Primary: 400A @ 480V
Max OCP Secondary: 600A @ 208Y
UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor / 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

Made in Texas

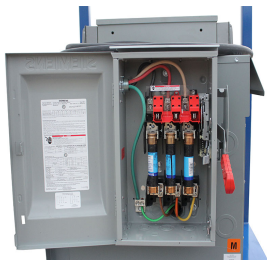
The Larson Electronics MPD-2X480.100-225K-12X120.20-3X208.50-2X208.100 power distribution substation converts 480 AC three phase electrical current into single phase 208Y/120V AC. This unit provides operators the ability to safely tap into and distribute 480V AC power from a variety of sources including generators and direct grid power.

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

Portable Power Distribution Purpose and Use

The MPD-2X480.100-225K-12X120.20-3X208.50-2X208.100 portable power distribution system gives operators the ability to power their 480 volt, 208Y and 120 volt equipment from a single system. On the primary side, operators connect 480 volt via 400-amp cam lock input cord. Operators connect 480V equipment to two 4100R7W 480V receptacles. On the secondary side, operators connect to three 460R9W receptacles and two 4100R9W receptacles for their 208Y equipment and twelve quad GFCI receptacles for 120V equipment.

Operation: A 400-amp cam lock input cord brings 480V three phase power to the NEMA 3R 400-amp, 480V three phase main panel, which contains one 300-amp breaker and two 100-amp breakers protecting two 4100R7W receptacles and passes 480V three phase through to the transformer. The NEMA 3R 225 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 600-amp, 208Y/120V three phase main panel. This secondary panel contains two 100-amp, 208Y breakers protecting two 100-amp, 4100R9W receptacles, three 50-amp, 208Y breakers protecting three 50-amp, 460R9W receptacles, and twelve 20-amp, 120V breakers protecting twelve 120V, 20-amp quad GFCI receptacles. All receptacles are equipped with weatherproof covers.



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)

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.

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.

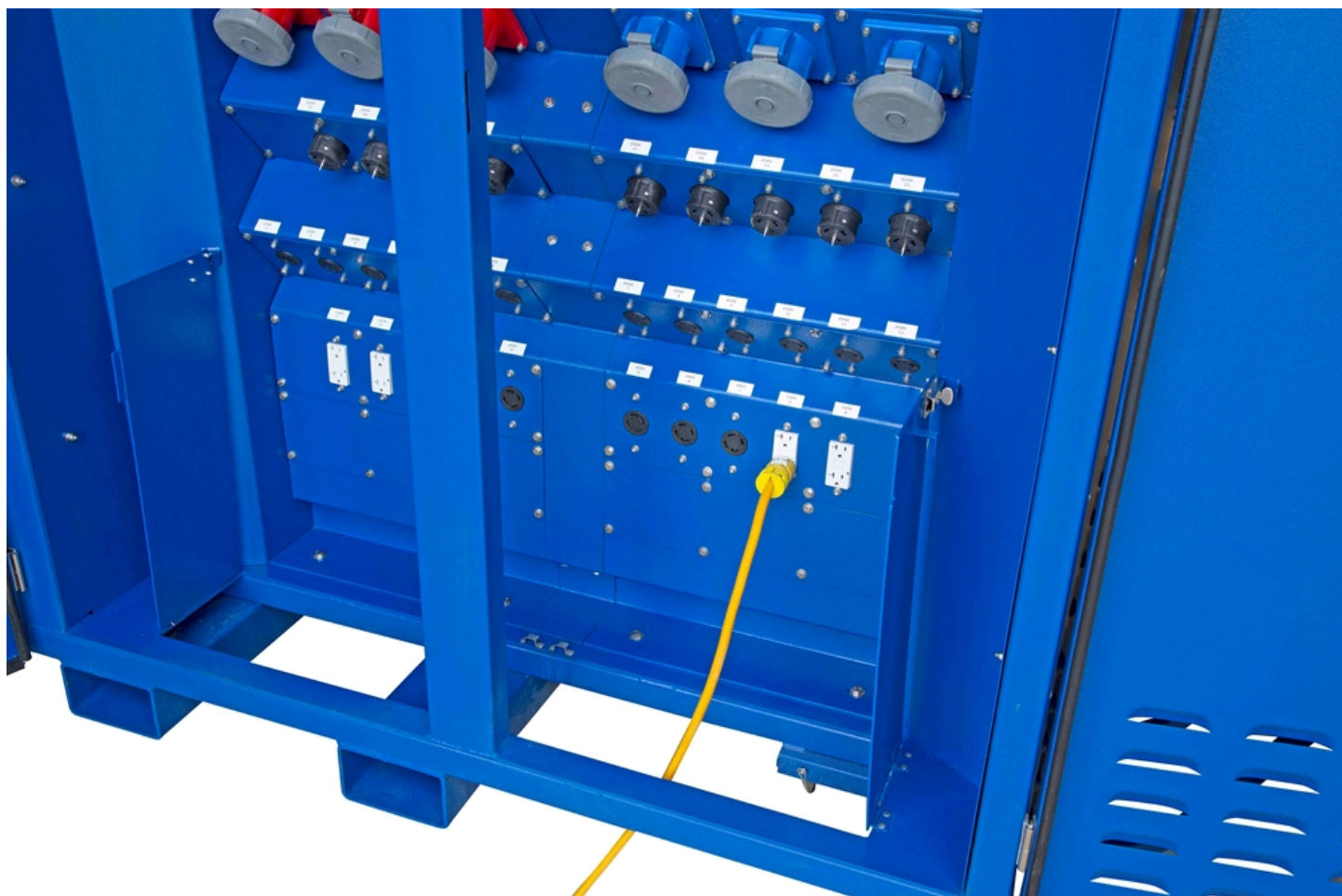
Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, we can deliver custom ordered units almost as quickly as our prebuilt units. 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.



Frequently Asked Questions (FAQ)









MPD-2X480.100-225K-12X120.20-3X208.50-2X208.100

Product ID: 147139

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](#)