

75KVA Power Distribution Panel - 480V to 208Y/120 - (1) 208V 3P (2) 208V 2P (8) 120V 1P Outlets

Part #: MPD-20C-4803-75KVA-1X2083.30A-2X2082.30A-8X120.20A



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function MM_openBrWindow(theURL,winName,features) { //v2.0 window.open(theURL,winName,features); }
```

Made in Texas

The Larson Electronics MPD-20C-4803-75KVA-1X2083.30A-2X2082.30A-8X120.20A power distribution substation converts 480V three phase electrical current into three phase 208V and single phase 120V. 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.

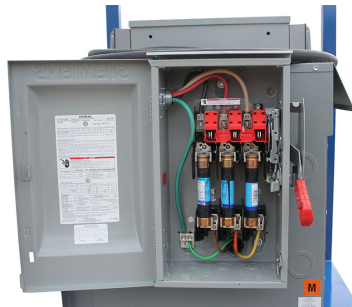
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

Portable Power Distribution Purpose and Use The MPD-20C-4803-75KVA-1X2083.30A-2X2082.30A-8X120.20A portable power distribution system gives operators the ability to power their 208V and 120V equipment from a single system. On the primary side, operators connect 480 volt using a 20' #4 Type W line-in cord. On the secondary side, operators connect to one L15-30R receptacle for three phase 208V equipment, two L6-30R receptacles for 208V single phase equipment and eight GFCI duplex outlets for 120V single phase equipment.

Operation: A 20' #4 Type W line-in cord brings 480V three phase power to the NEMA 3R 100-amp, 480V three phase primary disconnect, which contains two 80-amp time delay fuses and passes 480V three phase through to the transformer. The NEMA 3R 75KVA transformer converts 480V three phase power to 208V three phase and 120V single phase, and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 225-amp, 208Y/120V three phase main lug panel. This secondary panel contains one 250V 3-pole 30-amp breaker protecting one 30-amp L15-30R receptacle, two 250V 2-pole 30-amp breakers protecting two 30-amp, L6-30R receptacles, and eight 125V 1-pole 20-amp breakers protecting eight 20-amp GFCI duplex outlets. All receptacles are equipped with weatherproof covers.



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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.

Specifications / Additional Information**MPD-20C-4803-75KVA-1X2083.30A-2X2082.30A-8X120.20A Power Distribution****Line-In Cord:** 20' #4 Type W Line-in Cord**Primary Voltage:** 480V 3-Phase**Primary Disconnect:** 480V 100A Fused @ 80A N3R**Primary Protection:** 2 Time Delay Fuses**Transformer:** 75KVA 3PH 480V to 208Y/120 N3R**Secondary Voltage:** 208Y/120V 3-Phase**Secondary Panel:** 208Y/120V 3PH 225A MLO Panel N3R**Secondary Breakers:** (1) 30A 3P 250V, (2) 30A 2P 250V, (8) 20A 1P 125V**Secondary Receptacles:** (1) L15-30R, (2) L6-30R, (8) 5-20R GFCI Duplex**Secondary Protection:** Circuit Breakers, GFCI's, 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.

[Scroll Down to Purchase](#)**Primary Max OCP:** 80A @ 480V**Secondary Max Output:** 208A @ 208V

UL 1640 Portable Power-Distribution Equipment

NEMA 3R Indoor / Outdoor Use

Made in the USA

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671**Intl:** 1-903-498-3363**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 product does not qualify for free shipping.

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Links (Click on the below items to view):

- [Manual](#)
- [WiringDiagram](#)
- [Hi-Res Image 1- 75 KVA Power Distribution Panel](#)
- [Hi-Res Image 2- 75 KVA Power Distribution Panel](#)
- [Hi-Res Image 3- 75 KVA Power Distribution Panel](#)
- [Hi-Res Image 4- 75 KVA Power Distribution Panel](#)
- [Hi-Res Image 5- 75 KVA Power Distribution Panel](#)
- [Hi-Res Image 6- 75 KVA Power Distribution Panel](#)
- [Hi-Res Image 7- 75 KVA Power Distribution Panel](#)
- [Hi-Res Image 8- 75 KVA Power Distribution Panel](#)
- [Hi-Res Image 9- 75 KVA Power Distribution Panel](#)
- [Hi-Res Image 10- 75 KVA Power Distribution Panel](#)