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

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MPD-CW11-TB.100AB-DE75YT-LQ-8.C02-2.N10-M1

75 KVA Mobile Power Distribution, 480V - 208Y/120 3PH, (8) CS8269 (2) 5-20R GFCI Duplex Outlets, NEMA 3R

Product ID: 316193

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MPD-CW11-TB.100AB-DE75YT-LQ-8.C02-2.N10-M1

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-CW11-TB.100AB-DE75YT-LQ-8.C02-2.N10-M1 Power Distribution

Line-In Cord: Not Included - Requires Minimum Use Wiring 100A Rated Cu @ [600V] (**Customer Provided**)
Line-In Cord Cap: Not Included – Requires Minimum Use Device 100A @ [480V] (**Customer Provided**)
Primary Voltage: 480V AC Delta
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Panel: N/A
Primary Breaker(s): (1) 100A 3P MCCB [480V]
Primary Outlet(s): N/A
Primary Protection: MCCB Circuit Breaker
Transformer: 75KVA 480V – 208Y/120V 3PH N3R
Secondary Voltage: 208Y/120V AC Wye
Secondary Phase (PH): 3-Phase (3PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: 208Y/120V 3PH 225A MCCB N3R
Secondary Breaker(s): (8) 50A 2P MCB [250V]; (2) 20A 1P MCB [125V]

Ratings

Max OCP Primary: 100A @ 480V

Max Secondary Output: 225A @ 208V

NEMA 3R Indoor / Outdoor Use
Made in the USA
NRTL Certified to UL 1640
NRTL Certified to CSA C22.2 No. 14

Powder Coat Finish Standards:
Complies with ASTM D-523
Complies with ASTM D-3359
Complies with ASTM D-522
Complies with ASTM D-3363
Complies with ASTM D-2794

Secondary Outlet(s): (8) CS8269 Cal. Std. Twist-Lock Receptacle [250V]; (2) 5-20R NEMA Duplx-GFCI [125V]
Secondary Protection: MCCB Circuit Breaker; MCB Circuit Breakers; GFCI's
Form Factor: White Powder Coated Steel Open Cube Skid w/ Casters
Frame Materials: Powder Coated Steel Frame
Dimensions (w/ Casters): (*Please note that dimensions are approximate and subject to change*) 56"-L x 48"-W x 75"-H
Dimensions (w/o Casters): (*Please note that dimensions are approximate and subject to change*) 56"-L x 48"-W x 81.5"-H
Weight: (*Please note that weight is approximate and subject to change*) 2000 lb
Larson Electronics manufactures 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.

Special Orders - Special Requirements
Contact us for special requirements
Intl: 1-214-616-6180

Toll Free: 1-800-369-6671

Fax: 1-903-765-7664

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 MPD-CW11-TB.100AB-DE75YT-LQ-8.C02-2.N10-M1 from Larson Electronics is a Power Distribution Substation that converts three-phase 480V AC Delta electrical current into three-phase 208Y/120V AC Wye. 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*

Operation:

• Primary Voltage: 480V AC Delta 3PH

• Primary Panel: N/A

• Primary Breaker(s): (1) 100A 3P MCCB [480V]

• Primary Outlet(s): N/A

• Transformer: 75KVA 480V to 208Y/120V 3PH N3R

• Secondary Voltage: 208Y/120V AC Wye 3PH

• Secondary Panel: 208Y/120V 3PH 225A MCCB N3R

• Secondary Breaker(s): (8) 50A 2P MCB [250V]; (2) 20A 1P MCB [125V]

• Secondary Outlet(s): (8) CS8269 Cal. Std. Twist-Lock Receptacle [250V]; (2) 5-20R NEMA Duplx-GFCI [125V]

*See specification table at the top of the page for more information about the power distribution system.

Portable Power Distribution Purpose and Use: The MPD-CW11-TB.100AB-DE75YT-LQ-8.C02-2.N10-M1 portable power distribution system gives operators the ability to power their equipment from a single system. On the primary side, operators connect 480 volt using a

customer provided cord. On the secondary side, operators may access a secondary panel with circuit breakers and outlets.

Operation: A customer provided cord brings three-phase 480V power to the primary side, which is protected by a 100-amp 3-pole molded case circuit breaker, and passes power to the transformer. The NEMA 3R 75 KVA transformer converts three-phase 480V to three-phase 208Y/120V AC, 60 Hz and passes the current to the secondary side. The secondary side of the transformer is equipped with a NEMA 3R 225-amp, three-phase MCCB panel, eight 50-amp 2-pole miniature circuit breakers protecting eight CS8269 twist-lock 250V outlets, and two 20-amp 1-pole miniature circuit breakers protecting two 5-20R GFCI duplex 125V outlets.

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: All units are built in accordance to NFPA 70 (National Electric Code). 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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **ANSI Certificate 1**(https://www.larsonelectronics.com/images/product/ANSICert1/316193.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/316193.PDF)
- **Catalog Page - Product Series**(https://www.larsonelectronics.com/images/product/CatalogPage/316193.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/316193.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/316193.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/316193.PDF)
- **Certificate 5, Misc**(https://www.larsonelectronics.com/images/product/Cert5/316193.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/316193.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/316193.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/316193.PDF)
- **Single Line Diagram (One-Line Diagram)**(https://www.larsonelectronics.com/images/product/Oneline/316193.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/316193.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/316193.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/316193.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/316193.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/316193.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/316193.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/316193.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/316193.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/316193.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/316193.JPG)
- **Video1**(https://www.youtube.com/watch?v=E_7JSaAvlWI)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)