

MPD-CW3-BSB-DC75DE75YT-JZ-2.L26-4.L23-12.N09-M1

Mobile Power Distribution - (2) Transformers - (18) Receptacles - Enclosed - N3R

Product ID: 270476

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-CW3-BSB-DC75DE75YT-JZ-2.L26-4.L23-12.N09-M1 Power Transformer

Line-In Cord: 20' #2 AWG Type SOOW Cord

Line-In Cord Cap: Customer-provided Minimum Use 80A Cord Cap [600V]

Primary Voltage: 600-480V AC

Primary Phase: 3-phase

Primary Frequency: 60 Hz

Primary Breakers: (1) 80A 3P MCCB [600V], (2) 30A 3P MCB [480V]

Primary Receptacles: (2) 30A L16-30R NEMA [480V]

Primary Protection: MCCB Circuit Breakers, MCB Circuit Breakers

Transformer 1: 75 KVA 600V to 480V 3-phase N3R

Transformer 2: 75 KVA 480V to 208Y/120V 3-phase N3R

Secondary Voltage: 208Y/120V AC

Secondary Phase: 3-phase

Secondary Frequency: 60 Hz

Secondary Panel: 100A 3-phase 208Y/120V MLO N3R

Secondary Breakers: (4) 20A 3P MCB [250V], (12) 20A 1P MCB [125V]

Secondary Receptacles: (4) 20A L15-20R NEMA [250V], (12) 20A L15-20R NEMA [125V]

Secondary Protection: MCB Circuit Breakers

Form Factor: Blue Powder Coated Steel Cube w/ Casters

Frame Materials: Powder Coated Steel Frame and Walls

Dimensions: 84"-L X 40"-W X 58"-H

Weight: 3000 pounds

Ratings

Max Primary OCP: 80A @ 600V

Max Secondary Output: 100A @ 240V

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

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

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.

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 MPD-CW3-BSB-DC75DE75YT-JZ-2.L26-4.L23-12.N09-M1 Power Distribution Substation converts three-phase 600V AC to three-phase 480V AC and three-phase 480V AC to 208Y/120V AC. This fully enclosed power distribution unit provides operators the ability to safely tap into and distribute 600V 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-CW3-BSB-DC75DE75YT-JZ-2.L26-4.L23-12.N09-M1 portable power distribution system gives operators the ability to power their 480 volt, 208 volt and 120 volt equipment from a single system. On the primary side, operators connect 600 volt line-in power via 20' of #2 AWG Type SOOW cord and to two L16-30R NEMA receptacles for 480V equipment. On the secondary side, four L15-20R NEMA receptacles for 208V equipment and twelve 5-20R NEMA duplex receptacles for 120V equipment are available. All receptacles are protected by a receptacle enclosure.

Operation: A 20' #2 AWG Type SOOW cord brings three-phase 600V power to the primary side of the system, which is protected by one 80-amp 3-pole 600V molded case circuit breaker and contains two 30-amp 3-pole 480V main circuit breakers protecting two 30-amp L16-30R NEMA 480V receptacles, and passes power to the first transformer. The first NEMA 3R 75 KVA transformer converts three-phase 600V to 480V and passes the current to the second transformer. The second NEMA 3R 75 KVA transformer converts three-phase 480V to 208Y/120V and passes power to the secondary side of the system. The secondary side is equipped with a NEMA 3R 100-amp three-phase 208Y/120V main lug only panel, which contains four 20-amp 3-pole 250V main circuit breakers protecting four 20-amp 250V L15-20R NEMA receptacles and twelve 20-amp 1-pole main circuit breakers protecting twelve 20-amp 125V 5-20R NEMA duplex receptacles.

Protective Construction: Unlike many portable power distribution boxes made of plastic and utilizing thin gauge, low grade metals in their construction, this powder coated unit is fully enclosed and designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The system is accessible via two doors at each end for access to breakers on the panels and a center-located door for access to receptacles. The 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.

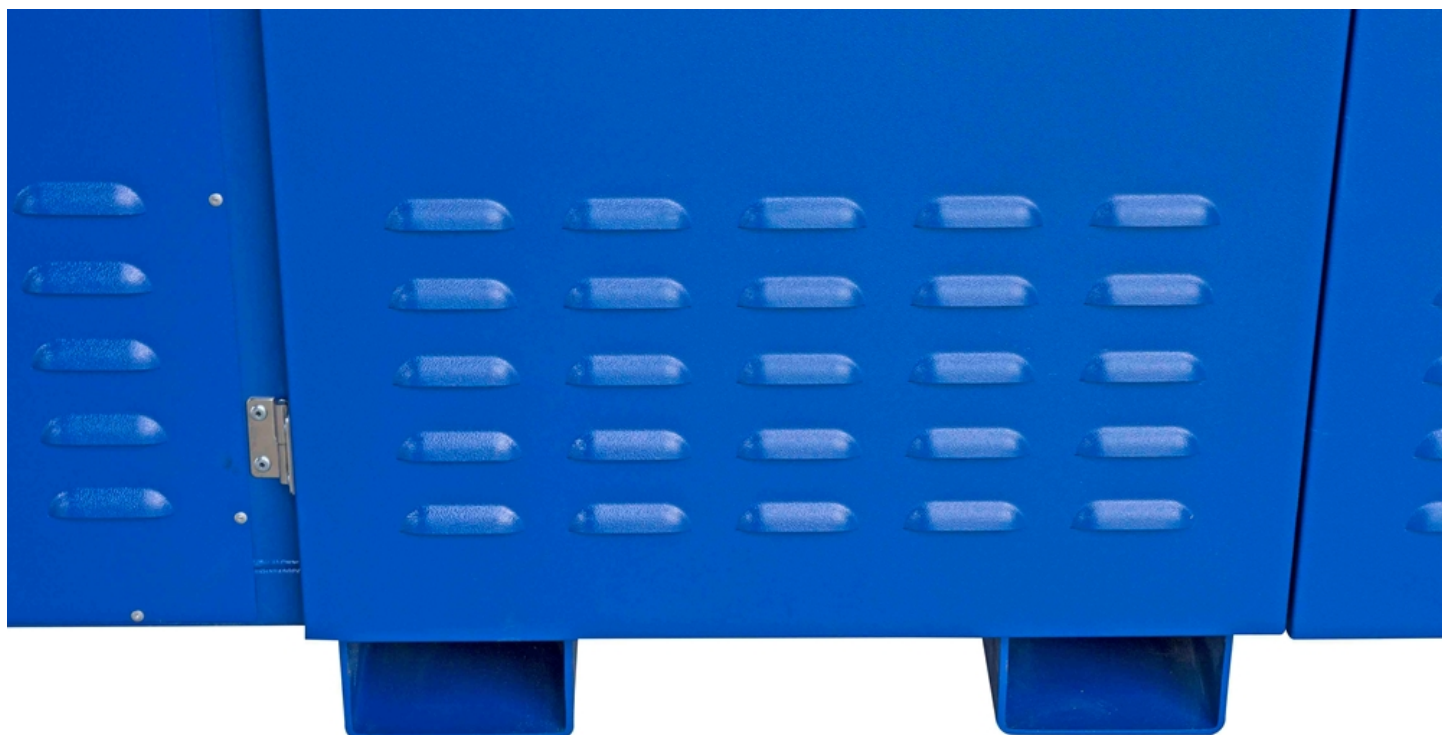


Frequently Asked Questions (FAQ)











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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](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)