

MPD-CW3-91B-YE150YT-PZ-12.C04-1.CLP-M2

150 KVA Power Distribution - 480D to 208Y/120 3-phase - (19) Outlets - Enclosed/N3R

Product ID: 269296

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-CW3-91B-YE150YT-PZ-12.C04-1.CLP-M2 Power Transformer

Line-In Cord: Customer Provided - Minimum Use 4/0 AWG Type W Cord w/ 200A
Female Conector [480V/277]
Line-In Cord Cap: 200A DS2504MRAB0 Male Inlet [480V/277]
Primary Voltage: 480V AC, Delta
Primary Phase: 3-phase
Primary Frequency: 60 Hz
Primary Disconnect: -
Primary Breaker: 200A 3P MCCB [480V]
Primary Receptacles: -
Primary Protection: MCCB Circuit Breakers
Transformer: 150 KVA 480D to 208Y/120 3-phase N3R
Secondary Voltage: 208Y/120V AC, Wye
Secondary Phase: 3-phase
Secondary Frequency: 60 Hz
Secondary Panel: 416A 208Y/120 3-phase MLO N3R
Secondary Breakers: (12) 50A 2P MCB [250V], (2) 30A 2P MCB [250V], (4) 20A 1P MCB [125V]
Secondary Receptacles: (1 Set) 150A 15R22U Female Camlocks 600V Rated [Green, White, Black, Red], (12) 50A CS6369 [125/250V], (1) 30A L14-30R NEMA [125/250V], (1) 30A L6-30R NEMA [250V], (4) 20A 5-20R NEMA GFCI Duplex [125V]
Secondary Protection: MCB Circuit Breakers, GFCI
Form Factor: Powder Coated Steel Cube w/ Casters
Frame Materials: Powder Coated Steel Frame and Walls
Dimensions: -

Ratings

Max Primary OCP: 200A @ 480V
Max Secondary Output: 416A @ 208V
NEMA 3R Indoor or Outdoor Use
Made in the USA
NRTL Certified to UL 1640, UL 508A
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

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

Weight: 1650 pounds

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.

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-CW3-91B-YE150YT-PZ-12.C04-1.CLP-M2 Power Distribution Substation converts three-phase 480V AC, Delta electrical current to three-phase 208Y/120 AC, Wye. This fully enclosed power distribution 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-CW3-91B-YE150YT-PZ-12.C04-1.CLP-M2 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 480 volt line-in power via a DS2504MRAB0 male inlet. On the secondary side, one set of 15R22U female camlocks (green, white, black and red) is available for 208V equipment, twelve CS6369 receptacles and one L14-30R NEMA receptacle for 120/208V equipment, one L6-30R receptacle for 208V equipment and four 5-20R NEMA GFCI duplex receptacles for 120V equipment. The secondary outlets are housed inside a receptacle enclosure.

Operation: A 200A DS2504MRAB0 277/480V male inlet brings three-phase 480V power to the primary side, which contains one 200-amp 3-pole 480V molded case circuit breaker, and passes power to the transformer. The NEMA 3R 150 KVA transformer converts three-phase 480D to 208Y/120 60Hz and passes the current to the secondary side. The secondary side of the transformer feeds a NEMA 3R 416-amp, three-phase 208Y/120 main lug only panel. This secondary panel has one set of 150-amp 600V rated 15R22U female camlocks (green, white, black and red), twelve 50-amp 2-pole 250V main circuit breakers protecting twelve 50-amp 125/250V CS6369 receptacles, one 30-amp 2-pole 250V main circuit breaker protecting one 30-amp 125/250V L14-30R NEMA receptacle, one 30-amp 2-pole 250V main circuit breaker protecting one 30-amp 250V L6-30R NEMA receptacle and four 20-amp 1-pole 125V main circuit breakers protecting four 20-amp 125V 5-20R NEMA GFCI 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.

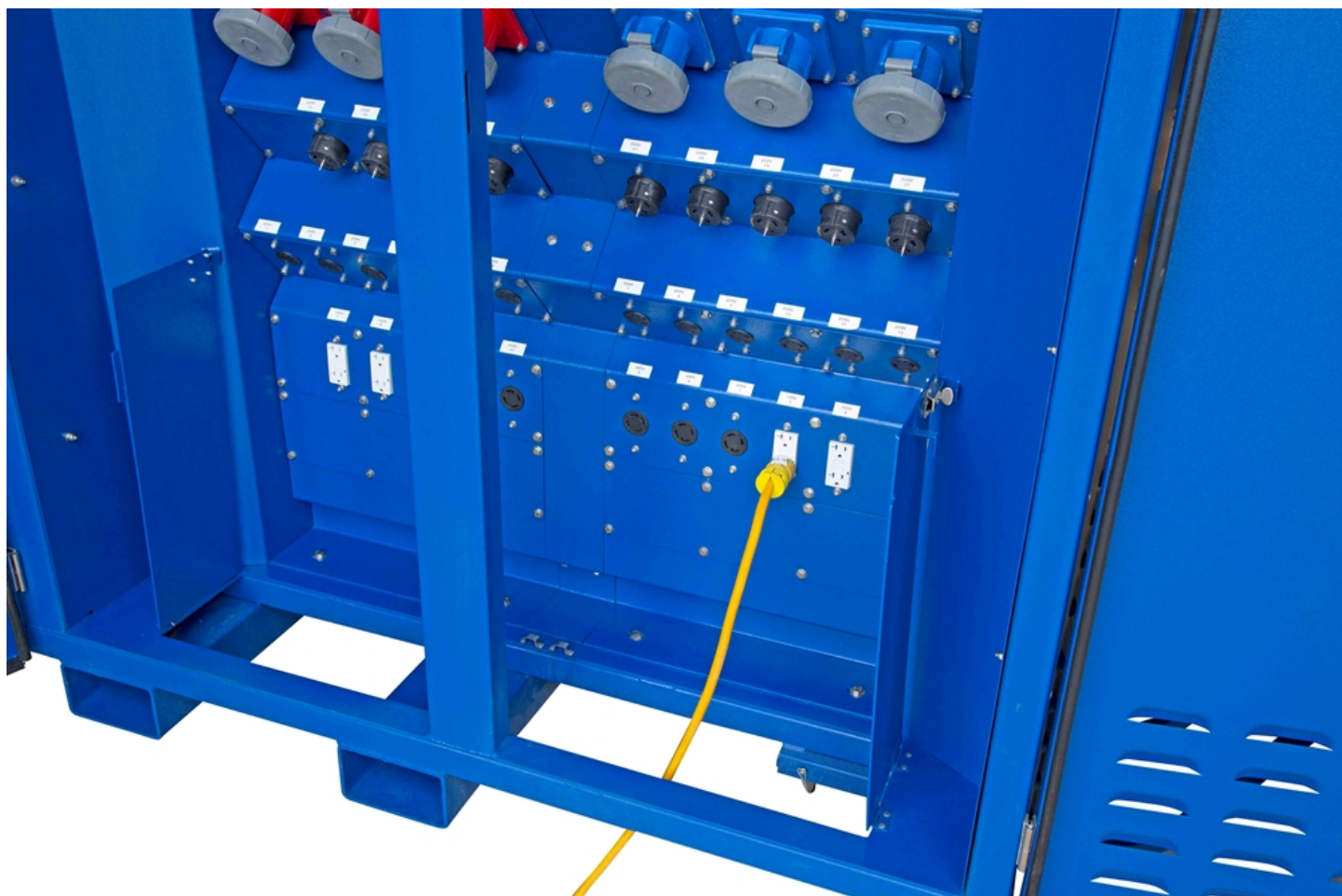
Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, we can deliver custom ordered units almost as quickly as our prebuilt units. 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 \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [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](#)
- [HigResPic9](#)
- [HigResPic10](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)