

MPD-CR1-TB-DE112.5YL-NZ-14.CB-M1

112.5 kVA Power Distribution System - 480V to 380/219V 3-Phase - Low Peak TDL - Permanent Installation

Product ID: 271824

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-CR1-TB-DE112.5YL-NZ-14.CB-M1 - Power Distribution System

Line-in Cord: Customer Provided - Requires Minimum Use Wiring 150A Rated Cu @ [600V] Wiring

Line-in Cord Cap: Customer Provided - Requires Maximum Use Device 150A @ [480V] Device

Primary Voltage: 480 V AC Delta

Primary Phase: 3-phase

Primary Frequency: 60 Hz

Primary Panel: 208V 3PH 400A Disco Fused @ 350A N3R

Primary Receptacles: -

Primary Protection: Time Delay Fuses

Transformer: 112.5 kVA 208D to 380Y/219V 3PH N3R

Secondary Voltage: 380Y/219 V AC Wye

Secondary Phase: 3-phase

Secondary Frequency: 60 Hz

Secondary Panel: 380Y/219V 3PH 225A MLO 30CKT.N3R

Secondary Receptacles: -

Secondary Protection: MCB Circuit Breakers

Secondary Breakers: (1) 60A 3P MCB [380V]; (1) 30A 3P MCB [380V]; (1) 50A 2P MCB [380V]; (1) 30A 2P MCB [380V]; (1) 20A 2P MCB [380V]; (9) 20A 1P MCB [220V]

Form Factor: Disco-Transformer-Panel Combo

Ratings

Max Primary OCP: 150 A @ 480 V

Max Secondary Output: 171 A @ 380 V

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

Mount: Permanent Installation

Dimensions: -

Weight: -

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.

Intl: 1-903-270-1187

Fax: 1-903-498-3364

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 MPD-CR1-TB-DE112.5YL-NZ-14.CB-M1 from Larson Electronics is a Power Distribution System that converts three-phase 480 V AC Delta electrical current into three-phase 380Y/219 V AC Wye. This unit provides operators the ability to safely tap into and distribute 480 V 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

The MPD-CR1-TB-DE112.5YL-NZ-14.CB-M1 temporary power distribution system gives operators the ability to power their 380Y/219 V AC Wye equipment from a single system. On the primary side, operators connect 480 volt line-in power via a customer-provided cord. On the secondary side, operators may access a side-mounted disconnect protected by low peak time delay fuses. A remote mounted panel that the operator is responsible for wiring the disconnect panel to the transformer is included.

Operation: A customer-provided line-in cord brings three-phase 480 V AC power to the 200-amp primary disconnect, which is protected by three 150-amp 600V low peak time delay fuses, and passes power through to the transformer. The NEMA 3R 112.5 KVA transformer converts 480 V to three-phase 380Y/219 V and passes the current to the secondary side. The secondary side of the transformer feeds a 225-amp secondary disconnect, which is protected by (1) 60A 3P MCB [380V], (1) 30A 3P MCB [380V], (1) 50A 2P MCB [380V], (1) 30A 2P MCB [380V], (1) 20A 2P MCB [380V], and (9) 20A 1P MCB [220V].

Protective Construction: The power distribution system is designed for permanent installations (customer must provide own portable mounting solution). This power distribution solution can be modified to meet the needs of job-site receptacle requirements. Units are available up to 150 kVA and can be equipped with skids or trailer mounted.

Certification: 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.

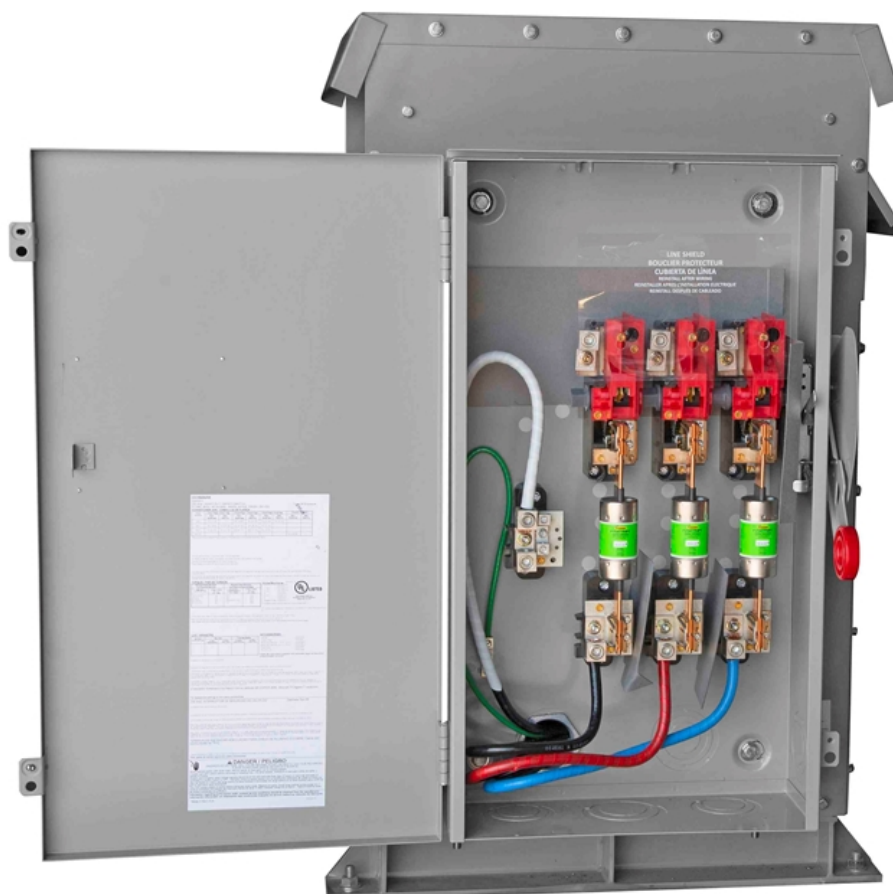
~Please check all motor loads for dual rated motors that will work 208 or 240.~

Applications:

This power distribution system is NEMA 3R rated and ideal for indoor/outdoor use and applications including but not limited to; construction sites, plant maintenance, plant turnarounds, shows, exhibits and shipyard operations. Larson Electronics is a manufacturer and as such can build portable transformer systems to your specifications. Although we carry several models of power distribution transformers, 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](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)