

MPD-CW12-TB.175AB-DE112.5YT-P-3.T12-1.R60-3.R10-M1

112.5 KVA Distribution Skid, 480V 3PH - 208Y/120V 3PH, (3) 100A 2P MCCB (1) 30A 3P MCB (3) 20A 1P MCB Breakers, NEMA 3R

Product ID: 335374

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



Image: MPD-CW12-TB.175AB-DE112.5YT-P-3.T12-1.R60-3.R10-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-CW12-TB.175AB-DE112.5YT-P-3.T12-1.R60-3.R10-M1 Power Distribution

Line-In Cord: Not Included - Requires Minimum Use Wiring 175A Rated Cu @ [600V]

(**Customer Provided**)

Line-In Cord Cap: Not Included – Requires Minimum Use Device 175A @ [480V]

(**Customer Provided**)

Primary Voltage (V): 480V AC Delta

Primary Phase (PH): 3-Phase (3PH)

Primary Frequency (Hz): 60 Hz (60-cycles)

Primary Panel: 112.5KVA 480V – 208Y/120V 3PH N3R

Primary Breaker(s): N/A

Primary Outlet(s): N/A

Primary Protection: MCCB Circuit Breaker

Transformer (KVA): 112.5KVA 480D – 208Y/120V 3PH N3R

Secondary Voltage (V): 208Y/120V AC Wye

Secondary Phase (PH): 3-Phase (3PH)

Secondary Frequency (Hz): 60 Hz (60-cycles)

Secondary Panel: 208Y/120V 3PH 312.5A MLO N3R

Secondary Breaker(s): (3) 100A 2P MCCB [250V]; (1) 30A 3P MCB [250V]; (3) 20A 1P MCB [125V]

Ratings

Max Primary OCP: 175A @ 480V

Max Secondary Output: 312.5A @ 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): N/A

Secondary Protection: MCCB Circuit Breaker; MCB Circuit Breakers

Form Factor: Blue Powder Coated Steel Open Cube Skid

Frame Materials: -

Dimensions: -

Weight: -

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

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

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

The MPD-CW12-TB.175AB-DE112.5YT-P-3.T12-1.R60-3.R10-M1 from Larson Electronics is a Power Distribution System that converts three-phase 480V AC Delta power to three-phase 208Y/120V AC Wye. This unit provides operators the ability to safely tap into and distribute 480V AC Delta 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-CW12-TB.175AB-DE112.5YT-P-3.T12-1.R60-3.R10-M1 temporary power distribution system gives operators the ability to power their 208 volt and 120 volt equipment from a single system.

Operation:

- Primary Voltage: 480V AC Delta 3PH
- Primary Panel: 480V 3PH 175A MCCB N3R
- Primary Breaker(s): N/A
- Primary Outlet(s): N/A
- Transformer: 112.5KVA 480V – 208Y/120V 3PH N3R
- Secondary Voltage: 208Y/120V AC Wye 3PH
- Secondary Panel: 208Y/120V 3PH 312.5A MLO N3R
- Secondary Breaker(s): (3) 100A 2P MCCB [250V]; (1) 30A 3P MCB [250V]; (3) 20A 1P MCB [125V]
- Secondary Outlet(s): N/A

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

The MPD-CW12-TB.175AB-DE112.5YT-P-3.T12-1.R60-3.R10-M1 boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The NEMA 3R enclosure makes the unit suitable for both indoor and outdoor applications.

Mount: The unit is mounted to a heavy-duty cube frame with wheels for mobility around work sites and seamless transportation.

The power distribution system is constructed of steel with a polyester powder coated blue finish for durability against dirt, moisture, and mild corrosion. This special coating creates a high-strength barrier for protection from accidental bumps and scratches. The TGIC polyester powder coat finish offers reliable resistance against chemicals, UV light (sun light), and degrading elements in outdoor locations. Our powder coating solution ensures robust color retention for many years without fading. Custom colors, such as black, grey, desert tan, or forest green, and galvanized finishes are available upon request. Non-standard powder coat colors or galvanized finishes may increase price and lead times.

The transformer and load center/distribution assembly is mounted to a standard steel cube style frame resulting in an extremely stable, durable, and mobile power distribution platform. This temporary power distribution solution can be modified to meet the needs of job-site receptacle requirements. 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) 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.~

This transformer offers several benefits for customers and businesses. Higher efficiency not only extends the life of the transformer, but also turn into cost savings for owners in the form of lower energy bills and decreased cost of ownership.

Applications: Electric power distribution, step down primary voltage, energy management systems, city infrastructure, commercial buildings, and underground industrial power distribution.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, 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)

There are no Fags



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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/ANSICert1/335374.PDF>)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)** (<https://www.larsonelectronics.com/images/product/CECCert/335374.PDF>)
- **Catalog Page - Product Series** (<https://www.larsonelectronics.com/images/product/CatalogPage/335374.PDF>)
- **CE Certificate** (<https://www.larsonelectronics.com/images/product/CECert/335374.PDF>)
- **Certificate 1, Misc** (<https://www.larsonelectronics.com/images/product/Cert1/335374.PDF>)
- **Certificate 2, Misc** (<https://www.larsonelectronics.com/images/product/Cert2/335374.PDF>)
- **Certificate 5, Misc** (<https://www.larsonelectronics.com/images/product/Cert5/335374.PDF>)
- **MSDS (Material Safety Data Sheet)** (<https://www.larsonelectronics.com/images/product/Msds/335374.PDF>)
- **Operations Manual** (<https://www.larsonelectronics.com/images/product/Manual/335374.PDF>)
- **RoHS Certificate (Restriction of Hazardous Substances)** (<https://www.larsonelectronics.com/images/product/RoHSCert/335374.PDF>)
- **Single Line Diagram (One-Line Diagram)** (<https://www.larsonelectronics.com/images/product/Online/335374.PDF>)
- **USA NEC Certificate (Commonly referred to as UL Certificate)** (<https://www.larsonelectronics.com/images/product/NECCert/335374.PDF>)
- **Wiring Diagram** (<https://www.larsonelectronics.com/images/product/WiringDiagram/335374.PDF>)
- **HigResPic1** (<https://www.larsonelectronics.com/images/product/HigResPic1/335374.JPG>)
- **HigResPic2** (<https://www.larsonelectronics.com/images/product/HigResPic2/335374.JPG>)
- **HigResPic3** (<https://www.larsonelectronics.com/images/product/HigResPic3/335374.JPG>)
- **HigResPic4** (<https://www.larsonelectronics.com/images/product/HigResPic4/335374.JPG>)
- **HigResPic5** (<https://www.larsonelectronics.com/images/product/HigResPic5/335374.JPG>)
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- **HigResPic7** (<https://www.larsonelectronics.com/images/product/HigResPic7/335374.JPG>)
- **HigResPic8** (<https://www.larsonelectronics.com/images/product/HigResPic8/335374.JPG>)
- **Video1** (<https://www.youtube.com/watch?v=rR-PuRIWQzI>)
- **Video2** (<https://www.youtube.com/watch?v=nRIQ4C1NowM>)
- **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>)