Larson Electronics LLC
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MPD-CW1-TB-DE30YT-G0-1.L08-4.N10

30 KVA Power Distribution - 480V to 208Y/120V 3PH - (5) Receptacles - Enclosed - N3R

Product ID: 265492

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-CW1-TB-DE30YT-G0-1.L08-4.N10 Power Transformer

Line-In Cord: Customer Provided
Line-In Cord Cap: -
Primary Voltage: 480V AC, 3PH
Primary Disconnect: -
Primary Breaker: 50A 480V 3PH MCB
Primary Protection: N3R Enclosure
Transformer: 30 KVA 480V to 208Y/120V 3PH 60Hz N3R
Secondary Voltage: 208Y/120V AC, 3PH
Secondary Supply: 200A 208Y/120V 3PH MLO
Secondary Breakers: (1) 100A 3P [250V], (1) 20A 2P [250V], (4) 20A 1P [125V]
Secondary Receptacles: (1) 20A L6-20R [250V], (4) 20A 5-20R Duplex GFCI [125V]
Secondary Protection: Circuit Breakers, GFCI
Form Factor: Square tube frame w/ 1/8" tubing, roof, walls, doors, skid pockets, top pick eye & 8” locking casters
Frame Materials: Powder coated steel frame and walls
Dimensions: 34"W x 54"L x 72"H
Weight: 850 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.

Ratings

Max Primary OCP: 50A @ 480V
Max Secondary OCP: 83.3A @ 208V
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

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-CW1-TB-DE30YT-G0-1.L08-4.N10 Power Distribution Substation converts three-phase 480V AC electrical current to three-phase 208Y/120V AC. 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-CW1-TB-DE30YT-G0-1.L08-4.N10 portable power distribution system gives operators the ability to power their 208 volt and 120 volt 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, one L6-20R receptacle is available for 208V equipment and four 5-20R duplex GFCI receptacles are available for 120V equipment. All receptacles are secured to a device mounting board. The primary and secondary components are housed inside a NEMA 3R breaker enclosure.

Operation: A customer-provided cord brings three-phase 480V power to the 50-amp, three-phase 480V main circuit breaker on the primary side and passes power to the transformer. The NEMA 3R 30 KVA transformer converts three-phase 480V to 208Y/120V 60Hz and passes the current to the secondary side. The secondary side of the transformer feeds a 200-amp, three-phase 208Y/120V main lug only supply. This secondary side contains one 100-amp 3-pole 250V breaker, one 20-amp 2-pole 250V breaker protecting one 20-amp 250V L6-20R receptacle and four 20-amp 1-pole 125V breakers protecting four 20-amp 5-20R duplex GFCI 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.

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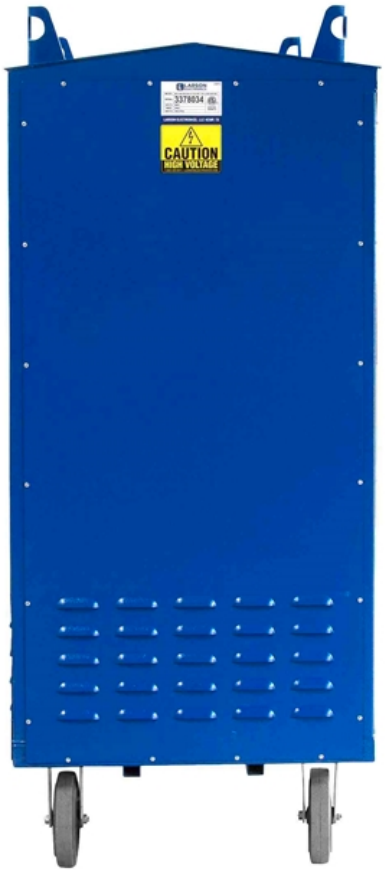
Frequently Asked Questions (FAQ)





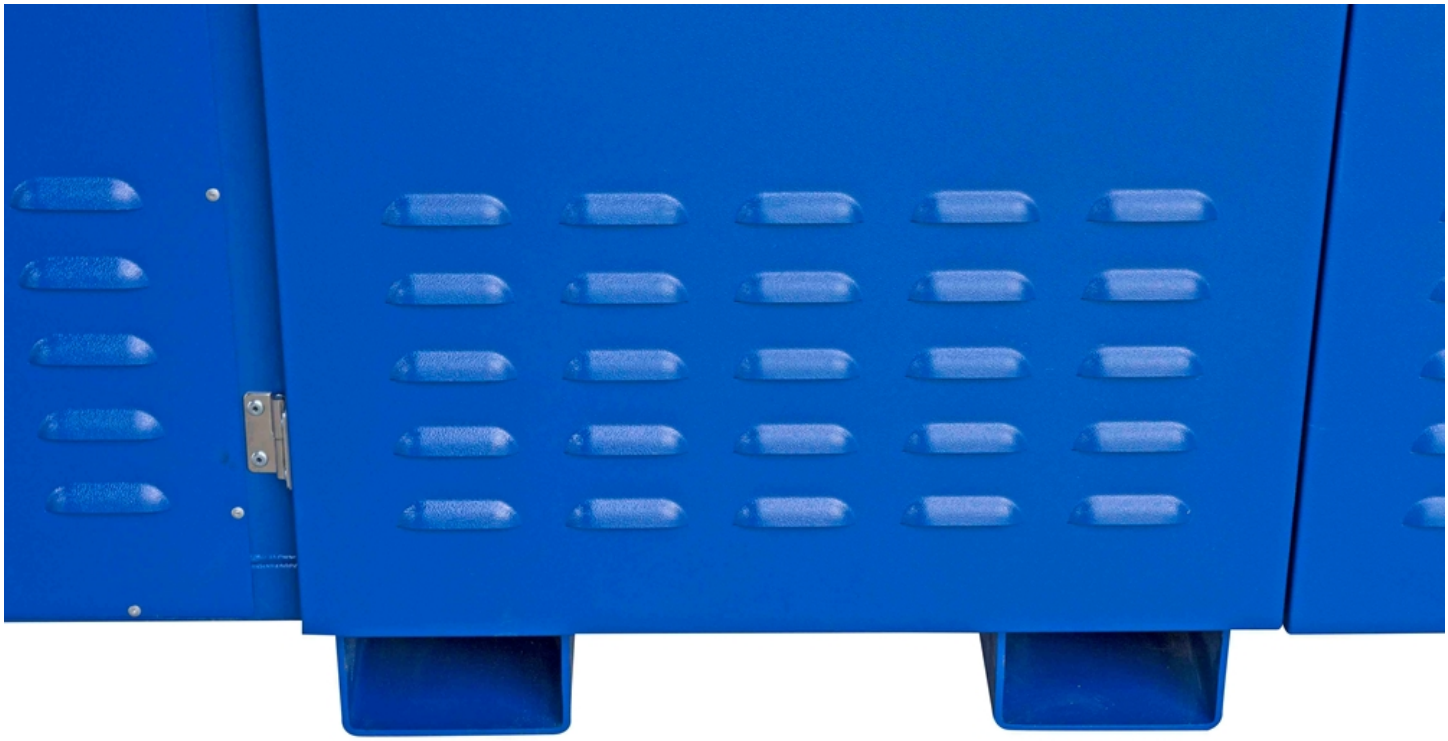
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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Catalog Page - Product Series**
- **Dimensional Drawing 2D**
- **Operations Manual**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**