Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
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MPD-CW1-TBX.75A-DC50SZ-RZ-E37.E27-C02.N10-M1

50 KVA Transformer Skid - 600V 3PH to 120/240V 1PH - (1) 75A Non-Fused Disconnect - (3) 2/0 CAM Whips - (5) 2/0 CAM Connectors

Product ID: 338528

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



Image: MPD-CW1-TBX.75A-DC50SZ-RZ-E37.E27-C02.N10-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.

MPD-CW1-TBX.75A-DC50SZ-RZ-E37.E27-C02.N10-M1 -Temporary Transformer System

Line-in: (3) Hubbell 2/0 CAM-Type Whips, 600V
Line-in Cord Cap: -
Primary Voltage (V): 600V AC
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Disconnect: (1) Siemens or Equivalent 75A 3P Non-Fused Disconnect Switch [600V]
Primary Protection: Customer Supplied Upstream Protection
Transformer (KVA): 50 KVA Dry-Type Step-Down Transformer
Transformer Primary: 600V AC
Transformer Secondary: 120/240V AC
Secondary Voltage (V): 120/240V AC
Secondary Phase (PH): 1-Phase (1PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Connections: (5) Hubbell 2/0 CAM-Type Panel Mount Connectors
Secondary Connector Configuration: (2) Male (Red, Black); (3) Female (White, Green, Blue)
Secondary Protection: Transformer Internal Protection
Form Factor: Transformer Mounted in Open Shipping/Protection Frame
Frame Material: Welded Structural Steel

Ratings

Max Primary OCP: 75A @ 600V
Max Secondary Output: 208.3A @ 240V
NEMA 3R Indoor or 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

Frame Finish: Black Powder Coated Steel
Frame Design: Open Welded Protection Frame
Minimum Transformer Clearance: 2" Between Transformer and Frame
Forklift Pockets: (2) Bottom Located
Low-Lift Fork Truck Compatible: Yes
Pallet Jack Accessible: Yes
Skid Pockets: (2) Bottom Located
Lifting Provision: Integrated Frame Lift Points
Dimensions: Approx. 40" L x 36" W x 46" H
Weight: ~950 lbs
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
Intl: 1-903-270-1187
Toll Free: 1-800-369-6671
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

Made in Texas

The Larson Electronics MPD-CW1-TBX.75A-DC50SZ-RZ-E37.E27-C02.N10-M1 Transformer Skid Assembly converts three-phase 600V AC electrical current to single-phase 120/240V AC. This outdoor-rated transformer system provides operators with a reliable means of stepping down utility or generator power for temporary and permanent power applications.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

The MPD-CW1-TBX.75A-DC50SZ-RZ-E37.E27-C02.N10-M1 transformer skid assembly provides operators with a rugged, portable solution for supplying 120/240V single-phase power from a 600V three-phase source.

Operation:

• Primary Voltage: 3-phase 600V AC

• Primary Receptacles: (1) 75A 3-Pole Non-Fused Disconnect Switch [600V]

• Primary Connection: (3) Hubbell 2/0 CAM-Type Input Whips [600V]

• Transformer: 50 KVA Dry-Type Step-Down Transformer, 600V to 120/240V, NEMA 3R

• Secondary Voltage: 1-phase 120/240V AC

• Secondary Connections: (5) Hubbell 2/0 CAM-Type Panel Mount Connectors

• Secondary Connector Configuration: (2) Male (Red, Black); (3) Female (White, Green, Blue)

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

Protective Construction: This transformer skid assembly is mounted within a heavy-duty welded steel protection frame designed to withstand demanding industrial environments and transportation requirements. The open-frame design provides access to the transformer and disconnect while protecting critical equipment during handling and operation.

The transformer assembly is mounted on a black powder coated steel frame featuring integrated forklift pockets for transportation by forklift or pallet jack. A minimum clearance is maintained between the transformer and frame to facilitate ventilation and equipment protection. The compact skid design allows for easy shipment, delivery, storage, and maneuverability while maintaining structural integrity.

The steel frame is finished with a durable black powder coat that provides resistance against dirt, moisture, mild corrosion, UV exposure, and other environmental factors commonly encountered in outdoor installations. Custom frame configurations and finishes are available upon request.

Certification: Equipment is designed for outdoor service and incorporates NEMA 3R components suitable for indoor and outdoor applications. Units can be fabricated to comply with applicable Electrical Safety Authority (ESA) requirements and Canadian installation standards where specified.

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 transformer skid assembly is ideal for utility support, temporary power installations, plant maintenance, construction projects, equipment testing, event power systems, infrastructure upgrades, and other applications requiring conversion of 600V three-phase power to 120/240V single-phase power.

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)

There are no Faqs

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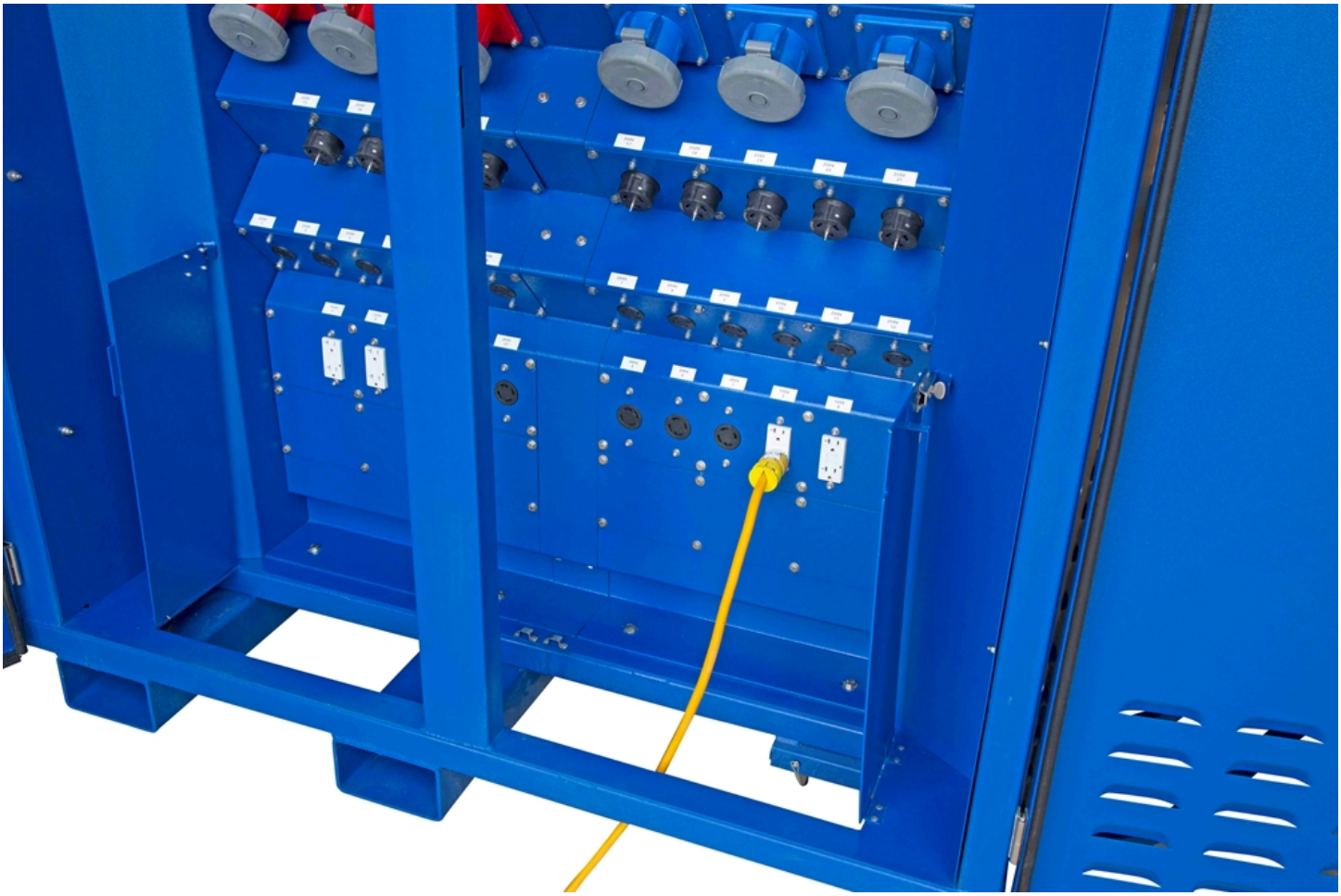


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Export Control Classification Number (ECCN): EAR99

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- **HigResPic10**(https://www.larsonelectronics.com/images/product/HigResPic10/338528.JPG)
- **Video1**(https://www.youtube.com/watch?v=rR-PuRIWQzI)
- **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)