

## **MPD-CW13-TB.350AB-DE225YT-UZ-10.T54-M2**

**225 KVA Open Frame Distro Skid, 480-208Y/120V 3PH, (10) 200A 3P MCCB Breakers, NEMA 3R, W/ Output Harmonic Filter**

**Product ID: 326857**

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



Image: MPD-CW13-TB.350AB-DE225YT-UZ-10.T54-M2

**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-CW13-TB.350AB-DE225YT-UZ-10.T54-M2 Portable Transformer w/ Open Frame Cube**

**Line-in Cord:** Not Included - Requires Minimum Use Wiring 350A Rated Cu @ [600V]  
(\*\*Customer Provided\*\*)

**Line-in Cord Cap:** Not Included – Requires Minimum Use Device 350A @ [480V]  
(\*\*Customer Provided\*\*)

**Primary Voltage (V):** 480V AC Delta

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

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

**Primary Panel:** 480V 3PH 350A MCCB N3R w/ 200kA SPD

**Primary Breaker(s):** N/A

**Primary Outlet(s):** N/A

**Primary Protection:** MCCB Circuit Breaker; SPD

**Transformer (KVA):** 225KVA 480V – 208Y/120V 3PH K-13 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 625A MLO N3R w/ Power Monitor

**Secondary Breaker(s):** (10) 200A 3P MCCB [240V]

**Secondary Outlet(s):** N/A

**Secondary Protection:** MCCB Circuit Breakers; Power Monitor

### **Ratings**

**Max Primary OCP:** 350A @ 480V

**Max Secondary Output:** 625A @ 208V

NRTL Listed for United States & Canada  
NEMA 3R Indoor/Outdoor Steel Enclosure  
Meets or Exceeds NEMA ST-20 Standards  
DOE Efficiency Isolation Transformer  
Distribution Type Transformer  
Built to UL-50 Standards  
Seismic Qualified for Earthquake Loads  
RoHS  
CE Certified

### **Powder Coat Finish Standards:**

Complies with ASTM D-523  
Complies with ASTM D-3359

**Harmonic Filter:** Included, at the output side (208Y/120)  
**Transformer Enclosure Material:** NEMA Type 3R Heavy Duty Ventilated - Steel  
**Transformer Enclosure Finish:** ANSI 61 Grey  
**Form Factor:** Blue Powder Coated Steel Open Cube Skid w/ Casters  
**Frame Material:** Steel  
**Frame Finish:** High-Strength TGIC Polyester Powder Coated Red  
**Lifting Eyelet:** (4) Top Located  
**Skid Pockets:** (2) Bottom Located  
**Transformer Dimensions:** 29.87"-L x 32.9"-W x 41.52"-H  
**Transformer Weight:** 970 lb  
**Dimensions:** 58"-L x 48"-W x 62"-H  
**Weight:** 2100 lb

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.

Complies with ASTM D-2794  
Complies with ASTM D-522  
Complies with ASTM D-3363

**Special Orders - Special Requirements**

Contact us for special requirements

**Intl:** 1-214-616-6180

**Toll Free:** 1-800-369-6671

**Fax:** 1-903-765-7664

**E-mail:** [sales@larsonelectronics.com](mailto: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-CW13-TB.350AB-DE225YT-UZ-10.T54-M2 from Larson Electronics is a Power Distribution Substation that converts three-phase 480V AC Delta electrical current to three-phase 208Y/120V AC Wye. This fully enclosed power distribution 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-CW13-TB.350AB-DE225YT-UZ-10.T54-M2 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 350A MCCB N3R w/ 200kA SPD
- Primary Breaker(s): N/A
- Primary Outlet(s): N/A
- Transformer: 225KVA 480V – 208Y/120V 3PH K-13 N3R
- Secondary Voltage: 208Y/120V AC Wye 3PH
- Secondary Panel: 208Y/120V 3PH 625A MLO N3R w/ Power Monitor
- Secondary Breaker(s): (10) 200A 3P MCCB [240V]
- Secondary Outlet(s): N/A

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

**Protective Construction:** This temporary power distribution unit is fully is ruggedly constructed to withstand demanding conditions and industrial applications. Unlike many portable power distribution boxes made of plastic and utilizing thin gauge, low grade metals in their construction, this unit is designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The transformer and load assembly is mounted on a 3/16" thick carbon steel mounting platform and the load center/distribution assembly is mounted to the standard 2" x 2" x 1/8" square carbon steel tubing frame, resulting in an extremely stable, durable and well protected power distribution platform. This 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.

A weatherproof flip cover at the front of the unit can be lifted upwards via an accessible handle, which serves as protection for (primary and secondary) breakers and receptacles in rugged environments when deployed at the site. Operators may access locks on the door and on the ears (accessible from the inside of the lid) of the panel. The panel can be positioned upwards and locked in place for easy access to receptacles and breakers. A drain plug on the panel helps the power distribution system achieve a NEMA 3R rating, allowing the unit to be used in both indoor and outdoor locations. The model is equipped with bottom-located forklift skid pockets and four top-located lifting eyelets, which allows easy lifting with cable or chain hooks. Four locking casters at the base provides mobility around work sites.

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.~

**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](mailto:sales@larsonelectronics.com) to discuss your specific requirements.



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## Frequently Asked Questions (FAQ)

There are no Fags



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**Export Control Classification Number (ECCN):** EAR99

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