

**MPD-CE-TBX.250AB-DE37.5SZ-RN-2.TBX-M1**

**37.5 KVA Transformer & Panel, 480V 3PH-120/240V 1PH, 480V Feed Thru, Terminal Lugs - No Frame**

**Product ID: 287267**

**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-CE-TBX.250AB-DE37.5SZ-RN-2.TBX-M1 - Frameless Power Distribution System Ratings**

**Line-in:** 250A Terminal Lug NEMA Enclosure [480V]

**Line-in Cord Cap:** -

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

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

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

**Primary Panel:** 480V 3PH 250A MCCB w/Extended Rotary Handle N3R

**Primary Breaker:** (1) 80A 2P MCCB [480V]

**Primary Outlets:** (1) 250A Terminal Lug NEMA Enclosure Feed-thru [480V]

**Primary Protection:** MCCB Circuit Breakers

**Transformer (KVA):** 37.5KVA 480V to 120/240V 1PH N3R

**Secondary Voltage (V):** 120/240V AC

**Secondary Phase (PH):** 1-Phase (1PH)

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

**Secondary Panel:** -

**Secondary Breakers:** (1) 150A 2P MCCB [250V]

**Secondary Outlets:** (1) 150A Terminal Lug NEMA Enclosure [125/250V]

**Secondary Protection:** MCCB Circuit Breakers

**Form Factor:** No Frame - Transformer and Panel Only

**Mounting:** Mounts to Operator Provided Skids, Carts, or Trailers

**Cover Locking Position:** N/A

**Vibration Isolators:** N/A

**Drain Plug:** Panel

**Cart Material:** N/A

**Cart Finish:** N/A

**Cart Handle Orientation:** N/A

**Ratings**

**Max Primary OCP:** 250A @ 480V

**Max Secondary Output:** 150A @ 240V

NEMA 3R Indoor or Outdoor Use

NEMA 3R In-Use Weather Shield

Made in the USA

NRTL Certified to UL 1640

NRTL Certified to CSA C22.2 No. 14

No Frame Included - Transformer and Panel Only

**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

**Special Orders - Special Requirements**

Contact us for special requirements

Lifting Eyelet: N/A

Wheels: N/A

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.

Intl: 1-903-270-1187

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Fax: 1-903-498-3364

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-CE-TBX.250AB-DE37.5SZ-RN-2.TBX-M1 from Larson Electronics is a Frameless Power Distribution System that converts three-phase 480V AC Delta electrical current into single-phase 120/240V AC. This 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\***

The MPD-CE-TBX.250AB-DE37.5SZ-RN-2.TBX-M1 temporary power distribution system gives operators the ability to power their 120 volt equipment from a single system.

#### Operation:

- Primary Voltage: 3-phase 480V AC, Delta
- Primary Receptacles: (1) 250A Terminal Lug NEMA Enclosure Feed-thru [480V]
- Transformer: 37.5KVA 480V to 120/240V 1PH N3R
- Secondary Voltage: 1-phase 120/240V AC
- Secondary Receptacles: (1) 150A Terminal Lug NEMA Enclosure [125/250V]

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

The included panel 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.

**Mounting:** The MPD-CE-TBX.250AB-DE37.5SZ-RN-2.TBX-M1 ships with the transformer and panel only. There is **NO** frame included with this unit. It is designed for operators to mount to their own carts, skids, or trailers. Operators are responsible for routing wires between the transformer and the panel. Wiring is **NOT** provided.

**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.

**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)



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**MPD-CE-TBX.250AB-DE37.5SZ-RN-2.TBX-M1**

**Product ID: 287267**

**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](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)