

MPD-CD1-TB.50A-DT15DE-FC-TB.20A-M1

15 KVA Portable Transformer, 208V-480V 3PH, Terminal Block Input & Output

Product ID: 148580

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.

This unit is Made In USA - Manufactured in Texas

MPD-CD1-TB.50A-DT15DE-FC-TB.20A-M1 -Temporary Power Distribution System

Line-In Cord: Not Included - Requires Minimum Use Wire 50A @ [600V] (**Customer Provided**)

Line-In Cord Cap: Not Included - Requires Minimum Use Device 50A @ [208V] (**Customer Provided**)

Primary Voltage: 208 V AC Delta

Primary Phase: 3-Phase

Primary Frequency: 60 Hz

Primary Panel: 208D 3PH 50A Hinged N3R

Primary Breaker(s): (1) 50A 3P MCB [250V]

Primary Outlet(s): N/A

Primary Protection: MCB Circuit Breaker

Transformer: 15KVA 208D to 480D 3PH N3R

Secondary Voltage: 480 V AC Delta

Secondary Phase: 3-Phase

Secondary Frequency: 60 Hz

Secondary Panel: 480D 3PH 20A Hinged N3R

Secondary Breaker(s): (1) 20A 3P MCB [480V]

Secondary Outlet(s): -

Secondary Protection: MCB Circuit Breaker

Form Factor: Blue Powder Coated MGL-SM Dolly Cart w/ No Flat Tires

Frame Materials: Powder Coated Steel Frame

Dimensions: 40"-W x 40"-D x 48"-H (*Please note that dimensions are approximate and subject to change*)

Weight: 550 lb (*Please note that weight is approximate and subject to change*)

Larson Electronics manufacture a wide variety of custom power distribution systems. The

Ratings

Max OCP Primary: 50 A @ 208 V

Max OCP Secondary: 18 A @ 480 V

UL 1640 Portable Power-Distribution Equipment

NEMA 3R Indoor / 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

E-mail: sales@larsonelectronics.com

*All grounding shall comply with state and local codes and

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. meet the minimum requirements of the National Electronic Code section 250*

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The MPD-CD1-TB.50A-DT15DE-FC-TB.20A-M1 from Larson Electronics is a Temporary Power Distribution System that converts 208 V AC electrical current into three phase 480 V AC. This unit provides operators the ability to safely tap into and distribute 208 V 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-CD1-TB.50A-DT15DE-FC-TB.20A-M1 temporary power distribution system gives operators the ability to power their 480 volt equipment from a single system. On the primary side, operators connect 208 volt line-in power via a customer provided cord. On the secondary side, operators connect 480 volt line-out power using a customer provided cord for 480 V equipment.

Operation:

- Primary Voltage: 208V AC Delta
- Primary Panel: 208D 3PH 50A Hinged N3R
- Primary Breaker(s): (1) 50A 3P MCB [250V]
- Primary Outlet(s): N/A
- Transformer: 15KVA 208D to 480D 3PH N3R
- Secondary Voltage: 480V AC Delta
- Secondary Panel: 480D 3PH 20A Hinged N3R
- Secondary Breaker(s): (1) 20A 3P MCB [480V]
- Secondary Outlet(s): N/A

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

Protective Construction: The transformer and load center/distribution assembly is mounted to a powder coated steel, dolly cart style, frame resulting in an extremely stable, durable, and mobile power distribution platform. Two run-flat rubber tires and a dolly cart style mounting platform provides easier substation mobility, and a center point lift point allows easy lifting with cable or chain hooks. This temporary power distribution solution can be modified to meet the needs of job-site receptacle requirements. Units are available up to 150 KVA, and can be equipped with skids or trailer mounted.

Certification: Larson Electronics is a UL 1640 panel shop and certified to build portable power distribution systems. 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 as such can build portable transformer systems to your specifications. Although we carry several models of power distribution transformers, 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)









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Product ID: 148580

Harmonized System (HS) Code: 8504.21.0040

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](#)
- [Dimensional Drawing 2D](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [Single Line Diagram \(One-Line Diagram\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [HigResPic10](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)