

MPD-CC4-TB-DE150DK-Q2P-M1

150 KVA Power Distribution - 480V to 400V 3PH - Secondary VFD - Enclosed/304 SS - N4X

Product ID: 265574

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-CC4-TB-DE150DK-Q2P-M1 Power Transformer

Line-In Cord: Customer Provided
Line-In Cord Cap: -
Primary Voltage: 480V AC, 3PH
Primary Disconnect: -
Primary Breaker: 225A 480V 3PH MCB
Primary Receptacles: -
Primary Protection: N4X Enclosure
Transformer: 150 KVA 480V to 400V 3PH 60Hz
Secondary Voltage: 400V AC, 3PH, Variable Frequency via VFD [Set to 50 Hz from factory]
Secondary Device: 150 HP 400V 3PH Frequency Drive
VFD Sub-breaker: 200A 400V 3PH MCB
VFD Downstream Breakers: (3) 50A [400V 3PH]
Secondary Protection: Circuit Breakers, N4X Enclosure
Form Factor: Square tube frame w/ 1/8" tubing, roof, walls, doors, skid pockets, top pick eye
Frame Materials: 304 Stainless Steel
Dimensions: -
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: 225A @ 480V
Secondary Max OCP: 225A @ 400V
Downstream Max OCP: 200A @ 400V
NEMA 4X 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-CC4-TB-DE150DK-Q2P-M1 Power Distribution Substation converts three-phase 480V AC electrical current to three-phase 400V 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-CC4-TB-DE150DK-Q2P-M1 portable power distribution system gives operators the ability to power their 400 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, a VFD and breakers are available. The primary/secondary components are protected by a NEMA 4X enclosure.

Operation: A customer-provided cord brings three-phase 480V power to the 225-amp, three-phase 480V main circuit breaker on the primary side and passes power to the transformer. The 150 KVA transformer converts three-phase 480V to 400V 60Hz and passes the current to the secondary side. The secondary side of the transformer feeds a 150HP three-phase 400V frequency drive and a 200-amp three-phase 400V main circuit breaker, which contains three, 50-amp circuit breakers.

Protective Construction: Unlike many portable power distribution boxes made of plastic and utilizing thin gauge, low grade metals in their construction, this 304 stainless steel unit is fully enclosed and designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The NEMA 4X 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 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 4X rated for indoor and outdoor use and provide a degree of protection against dirt, water, and ice. NEMA 3R and NEMA 4 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.



Frequently Asked Questions (FAQ)











MPD-CC4-TB-DE150DK-Q2P-M1

Product ID: 265574

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Catalog Page - Product Series](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)