

MPD-CP5-T.150AB-DNG800YH-ZZ-TL.1200A-M1

800 KVA Power Distribution, 3300V AC Delta - 430Y/248V Wye 3PH, Skid Mount, NEMA 3R

Product ID: 330572

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



Image: MPD-CP5-T.150AB-DNG800YH-ZZ-TL.1200A-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-CP5-T.150AB-DNG800YH-ZZ-TL.1200A-M1 - Permanent Power Distribution System

Line-in Cord: Not Included - Requires Minimum Use Wiring 150A Rated Cu @ [3300V]
(**Customer Provided**)

Line-in Cord Cap: N/A - (**Customer Provided**)

Primary Voltage (V): 3300V AC Delta

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

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

Primary Panel: N/A

Primary Breaker(s): N/A

Primary Outlet(s): N/A

Primary Protection: N/A - (**Customer Provided**)

Transformer (KVA): 800KVA 3300D – 430Y/248V 3PH Dry-Type VPI

Vector Group: DyN11

Temperature Rise: 115°C

Cooling: AN/AA

Forced Air (Fans): None

Insulation Class: Class F (180°C)

Tap Changer: 5-Position Tap Changer

Tap Qty: (2) FCAN Above, (2) FCBN Below

Secondary Voltage (V): 430Y/248V AC Wye

Secondary Phase (PH): 3-Phase (3PH)

Ratings

Max Primary OCP: 150A @ 3300V

Max Secondary Output: 1200A @ 430V

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

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

Secondary Panel: 430Y/248V 3PH 1200A N3R

Secondary Breaker(s): N/A

Secondary Outlet(s): N/A

Secondary Protection: N/A - (**Customer Provided**)

Form Factor: Blue Powder Coated I-Line Skids

Doors: (3)

Frame Material: Steel

Frame Finish: High-Strength TGIC Polyester Powder Coated Blue

Cart Handle Orientation: Horizontal

Lifting Eyelet: (4) Top Located

Skid Pockets: N/A

Casters: N/A

Dimensions: (*Please note that dimensions are approximate and subject to change*) 112"-W x 75"-D x 77"-H

Weight: (*Please note that weight is approximate and subject to change*) 13,580 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.

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

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 MPD-CP5-T.150AB-DNG800YH-ZZ-TL.1200A-M1 from Larson Electronics is a Power Distribution Substation that converts three-phase 3300V AC Delta electrical current to three-phase 430Y/248V AC Wye. This fully enclosed power distribution unit provides operators the ability to safely tap into and distribute 3300V 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-CP5-T.150AB-DNG800YH-ZZ-TL.1200A-M1 permanent power distribution system gives operators the ability to power their 430 volt and 248 volt equipment from a single system.

Operation:

- Primary Voltage: 3300V AC Delta 3PH
- Primary Panel: N/A
- Primary Breaker(s): N/A
- Primary Outlet(s): N/A
- Transformer: 800KVA 3300D – 430Y/248V 3PH Dry-Type VPI
- Secondary Voltage: 430Y/248V AC Wye 3PH
- Secondary Panel: 430Y/248V 3PH 1200A N3R
- Secondary Breaker(s): N/A
- 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 skid mount power distribution unit is fully enclosed and is ruggedly constructed to withstand demanding conditions and industrial applications. The 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 four top-located lifting eyelets, which allows easy lifting with cable or chain hooks.

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.

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 to discuss your specific requirements.



Frequently Asked Questions (FAQ)

There are no Faqs



Image: MPD-CP5-T.150AB-DNG800YH-ZZ-TL.1200A-M1



Image: MPD-CP5-T.150AB-DNG800YH-ZZ-TL.1200A-M1



Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **ANSI Certificate 1** (<https://www.larsonelectronics.com/images/product/ANSICert1/330572.PDF>)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)** (<https://www.larsonelectronics.com/images/product/CECCert/330572.PDF>)
- **Catalog Page - Product Series** (<https://www.larsonelectronics.com/images/product/CatalogPage/330572.PDF>)
- **CE Certificate** (<https://www.larsonelectronics.com/images/product/CECert/330572.PDF>)
- **Certificate 1, Misc** (<https://www.larsonelectronics.com/images/product/Cert1/330572.PDF>)
- **Certificate 2, Misc** (<https://www.larsonelectronics.com/images/product/Cert2/330572.PDF>)
- **Certificate 5, Misc** (<https://www.larsonelectronics.com/images/product/Cert5/330572.PDF>)
- **MSDS (Material Safety Data Sheet)** (<https://www.larsonelectronics.com/images/product/Msds/330572.PDF>)
- **RoHS Certificate (Restriction of Hazardous Substances)** (<https://www.larsonelectronics.com/images/product/RoHSCert/330572.PDF>)
- **Single Line Diagram (One-Line Diagram)** (<https://www.larsonelectronics.com/images/product/Online/330572.PDF>)
- **USA NEC Certificate (Commonly referred to as UL Certificate)** (<https://www.larsonelectronics.com/images/product/NECCert/330572.PDF>)
- **Wiring Diagram** (<https://www.larsonelectronics.com/images/product/WiringDiagram/330572.PDF>)
- **HigResPic1** (<https://www.larsonelectronics.com/images/product/HigResPic1/330572.JPG>)
- **HigResPic2** (<https://www.larsonelectronics.com/images/product/HigResPic2/330572.JPG>)
- **HigResPic3** (<https://www.larsonelectronics.com/images/product/HigResPic3/330572.JPG>)
- **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>)