Larson Electronics LLC
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MPD-CW15-CLP7.600AB-DE400YT.J-XZ-10.V05-10.N10-M2

400 kVA Portable Power Distribution, 480V to 208Y/120V x 415Y/240V 3PH, (10) ADR1044 (10) 5-20R GFCI Duplex Outlets, NEMA 3R

Product ID: 326626

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



Image: MPD-CW15-CLP7.600AB-DE400YT.J-XZ-10.V05-10.N10-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-CW15-CLP7.600AB-DE400YT.J-XZ-10.V05-10.N10-M2 Temporary Power Distribution System

Line-In Entry: Top

Line-Out Entry: Top

Line-in Cord Cap: N/A
Primary Voltage (V): 480V AC Delta
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Panel: N/A
Primary Breaker(s): (1) 600AF/600AT LSI, 3P MCCB [480V], 65 kAIC
Primary Outlet(s): N/A
Primary Protection: MCCB Circuit Breaker; Flip Covers
Transformer (KVA): 400KVA 480V – 208Y/120V x 415Y/240V AC Dual Rated Transformer
Secondary Voltage (V): 208Y/120V x 415Y/240V AC Wye-N, 3PH, 4W
Secondary Phase (PH): 3-Phase (3PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Transformer K-Factor Rating: K-13
Transformer Impedance: ≥ 4.0%
Transformer Temperature Rise: 115°C
Transformer Winding Material: Copper

Ratings

Max Primary OCP: 600A @ 480V
Max Secondary Output:1110.3A @ 208V; 556.4A @ 415V
NEMA 3R Indoor or Outdoor Use
NRTL Certified to UL 1640
NRTL Certified to CSA C22.2 No. 14
Made in the USA

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

Factory Tests

Transformer Tap Changer: 6-tap (2 above / 4 below) @ 2.5% (Dual Tap)
Electrostatic Shield: Included
Neutral Rating: 200%
Secondary Panel: 208Y/120V x 415Y/240V 3PH 1110.3A MLO N3R
Secondary Breaker(s): (10) 100A 3P MCCB [250V]; (10) 20A 1P MCB [125V], 35 kAIC, 100% Rated, w/ Auxiliary contacts, w/ Back-feed lugs
Secondary Outlet(s): N/A
Secondary Protection: MCCB Circuit Breakers; MCB Circuit Breakers; GFCI's
Ground Current & Neutral Overcurrent Monitoring: Monitors Neutral Overcurrent, Ground Overcurrent
PDU Power Monitoring: Included, microprocessor-based monitoring, status and alarm annunciation panel and display - Power Monitoring (I/O voltage, I/O current, Neutral current, output harmonic distortion, kW, KWh, kVA, percent load, frequency, max demand current and power, circuit breaker monitoring); Status Indication; Alarm Annunciation; Audible Alarm and Silencing Switch.
Remote EPO Interface: Shunt-trip Integration, Multiple Station Support
Communication Protocol: Modbus TCP/IP only, No media converters allowed, Resettable energy registers, Single device ID, Unmanaged industrial switches with 4+ ports, Full register maps
Form Factor: Gray Powder Coated 13GA Sheet Steel Cabinet Enclosure
Finish: High-Strength TGIC Polyester Powder Coated - ANSI 49 Gray
Doors: (2)
Frame Material: 13GA Sheet Steel
Sound Level: Complies with NEMA ST-20, and IEEE C57.12.91 Testing
Cart Handle Orientation: Horizontal
Lifting Eyelet: (4) Top Located
Skid Pockets: N/A
Mounting: Floor or Flat Surface Mount
Dimensions: 39.26"-L x 72.79"-W x 90.68"-H
Weight: (*Please note that weight is approximate and subject to change*) 1750 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.

NETA testing
CPU Calibration
Interlock Tests

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

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-CW15-CLP7.600AB-DE400YT.J-XZ-10.V05-10.N10-M2 from Larson Electronics is a Power Distribution Substation that converts three-phase 480V AC Delta electrical current to three-phase 208Y/120V x 415Y/240V AC Wye. 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.

The MPD-CW15-CLP7.600AB-DE400YT.J-XZ-10.V05-10.N10-M2 temporary power distribution system gives operators the ability to power their 415 volt, 240 volt, 208 volt, and 120 volt equipment from a single system.

Operation:

• Primary Voltage: 480V AC Delta 3PH

• Primary Panel: N/A

• Primary Breaker(s): (1) 600A 3P MCCB [480V]

• Primary Outlet(s): N/A

• Transformer: 400KVA 480V – 208Y/120V x 415Y/240V AC Dual Rated Transformer

• Secondary Voltage: 208Y/120V x 415Y/240V AC Wye 3PH

• Secondary Panel: 208Y/120V x 415Y/240V 3PH 1110.3A MLO N3R

• Secondary Breaker(s): (10) 100A 3P MCCB [250V]; (10) 20A 1P MCB [125V]

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

Enclosure Design: The disconnect switch is protected by an 13GA sheet steel enclosure with ANSI 49 grey finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 3R rated for protection against water, moisture, and debris. This rating allows them to be used in indoor and outdoor areas.

Certification: This is NRTL listed to UL 891 dead front switchboards and NRTL listed for service equipment.

Mounting: Operators can mount the service entrance disconnect on floors and flat surfaces.

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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **ANSI Certificate 1**(https://www.larsonelectronics.com/images/product/ANSICert1/326626.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/326626.PDF)
- **Catalog Page - Product Series**(https://www.larsonelectronics.com/images/product/CatalogPage/326626.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/326626.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/326626.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/326626.PDF)
- **Certificate 5, Misc**(https://www.larsonelectronics.com/images/product/Cert5/326626.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/326626.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/326626.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/326626.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/326626.PDF)
- **Single Line Diagram (One-Line Diagram)**(https://www.larsonelectronics.com/images/product/Oneline/326626.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/326626.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/326626.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/326626.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/326626.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/326626.JPG)
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- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)