Larson Electronics LLC
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MPD-CW15-CLP6.400AB-DE300YT-UZ-2.CLP6-M1

300 KVA Mobile Power Distribution - 480V to 208Y/120V 3-phase - Camlock Input/Outputs - N3R

Product ID: 275846

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-CW15-CLP6.400AB-DE300YT-UZ-2.CLP6-M1 Power Distribution

Line-In Cord: -
Line-In Cord Cap: (1 Set) 400A 1P 16-Series Male Camlocks - (1) Green, (1) Brown, (1) Orange, (1) Yellow [600V] w/ N3R Flip Covers
Primary Voltage (V): 480V AC Delta
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Disconnect: -
Primary Panel: -
Primary Breakers: (1) 400A 3P MCCB [480V]
Primary Outlets: -
Primary Protection: MCCB Circuit Breaker
Transformer (KVA): 300 KVA 480V to 208Y/120V 3-phase N3R
Secondary Voltage (V): 208/120V AC Wye
Secondary Phase (PH): 3-Phase (3PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Disconnect: -
Secondary Panel: 208Y/120V 3-phase 800A MLO N3R
Secondary Breakers: (2) 400A 3P MCCB [250V]
Secondary Outlets: (2 Sets) 400A 1P 16-Series Female Camlocks - (2) Green, (2) White, (2) Black, (2) Red, (2) Blue [600V] w/ N3R Flip Covers
Secondary Protection: MCCB Circuit Breakers, Weatherproof Covers
Form Factor: Blue Powder Coated Steel Open Cube w/ Casters
Frame Materials: Steel
Frame Finish: High-strength TGIC Polyester Powder Coated Blue

Ratings/Features

Max OCP Primary: 400A @ 480V
Max OCP Secondary: 800A @ 208V
NEMA 3R Indoor or Outdoor Use
Made in the USA
NRTL Certified to UL 1640
Hinged Panels @ Input and Output
Includes Hitch Attachment

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

Intl: 1-903-270-1187

Dimensions: 60"-L x 48"-W x 72"-H

Weight: 3,250 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.

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

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All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

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The Larson Electronics MPD-CW15-CLP6.400AB-DE300YT-UZ-2.CLP6-M1 Mobile Power Distribution converts three-phase 480V AC electrical current into three-phase 208/120V 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

Portable Power Distribution Purpose and Use: The MPD-CW15-CLP6.400AB-DE300YT-UZ-2.CLP6-M1 portable power distribution system gives operators the ability to power their three-phase 208 volt equipment from a single system. On the primary side, operators connect three-phase 480V line-in power to one set of 400-amp 16 Series male camlocks (green, brown, orange and yellow). On the secondary side, operators are provided access to two sets of 400-amp 16-series female camlocks (green, white, black, red and blue) for powering 208V equipment. The input and output camlocks are protected by NEMA 3R weatherproof flip covers.

Operation: One set of 400-amp 600V-rated 1-pole 16 Series male camlocks (green, brown, orange and yellow) brings three-phase 480V AC to the primary side of the system, which is protected by one 400-amp 3-pole 480V molded case circuit breaker, and passes power to the transformer. The NEMA 3R 300 KVA transformer converts three-phase 480V to three-phase 208Y/120V 60Hz and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 800-amp, three-phase 208Y/120V main lug only panel. This secondary panel contains two, 400-amp 3-pole 250V molded case circuit breakers protecting two sets of 400-amp 600V-rated 1-pole 16-series female camlocks (green, white, black, red and blue).

Click Photo to Enlarge



Click Photo to Enlarge



Protective Construction: Unlike many portable power distribution boxes made of plastic and utilizing thin gauge, low grade metals in their construction, this unit is designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The transformer and load assembly is mounted on a carbon steel mounting platform and the load center/distribution assembly is mounted to a square carbon steel tubing frame, resulting in an extremely stable, durable and well protected power distribution platform.

This model is equipped with forklift skid pockets, locking casters, 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.

The power distribution unit cannot be pushed by hand. For pulling by cart, a hitch attachment is included with the system. The pivoting hitch tongue has a pintle hitch attachment (not road legal for towing on roads).

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)



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CAUTION
ON / OFF
CAUTION
HIGH VOLTAGE
MISTER
LARSON
ELECTRONICS



MPD-CW15-CLP6.400AB-DE300YT-UZ-2.CLP6-M1

Product ID: 275846

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)
- Single Line Diagram (One-Line Diagram)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map