Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MPD-CM5-TB.80AB-DF3SY-JZ-2.E16-2.N10-M1

3 KVA Portable Power Distribution, 460V 3PH - 110V 1PH, (2) 430R7W (2) 5-20R GFCI Duplex Outlets, NEMA 3R

Product ID: 336433

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



Image: MPD-CM5-TB.80AB-DF3SY-JZ-2.E16-2.N10-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-CM5-TB.80AB-DF3SY-JZ-2.E16-2.N10-M1 - Temporary Power Distribution System

Line-in Cord: Not Included - Requires Minimum Use Wiring 80A Rated Cu @ [600V] (**Customer Provided**)
Line-in Cord Cap: Not Included - Requires Minimum Use Device 80A @ [460V] (**Customer Provided**)
Primary Voltage (V): 460V AC Delta
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Panel: 460V 3PH 80A MCCB N3R
Primary Breaker(s): (2) 30A 3P MCCB [480V]; (1) 15A 2P MCB [480V]
Primary Outlet(s): (2) 430R7W IEC Pin & Sleeve Receptacle [480V]
Primary Protection: MCCB Circuit Breakers; MCB Circuit Breaker; Weatherproof Covers
Transformer (KVA): 3KVA 460V – 110V 1PH N3R
Secondary Voltage (V): 110V AC
Secondary Phase (PH): 1-Phase (1PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: 110V 1PH 27.3A MLO N3R
Secondary Breaker(s): (2) 20A 1P MCB [125V]
Secondary Outlet(s): (2) 5-20R NEMA Duplex-GFCI [125V]
Secondary Protection: MCB Circuit Breakers; GFCI's; Weatherproof Covers
Form Factor: Blue Powder Coated Portable Base Stand w/ Polyurethane Swivel Casters

Ratings

Max Primary OCP: 30A @ 380V
Max Secondary Output: 40A @ 220V
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

Special Orders - Special Requirements

Contact us for special requirements

Material: Steel
Finish: High-Strength TGIC Polyester Powder Coated Blue
Dimensions: (*Please note that dimensions are approximate and subject to change*)
30.625"-L x 21.000"-W x 41.435"-H
Weight: N/A
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.

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-CM5-TB.80AB-DF3SY-JZ-2.E16-2.N10-M1 from Larson Electronics is a Portable Power Distribution System that converts three-phase 460V AC Delta power to single-phase 110V AC. This unit provides operators the ability to safely tap into and distribute 460V 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-CM5-TB.80AB-DF3SY-JZ-2.E16-2.N10-M1 temporary power distribution system gives operators the ability to power their single-phase 120 volt equipment from a single system.

Operation:

• Primary Voltage: 460V AC Delta 3PH

• Primary Panel: 460V 3PH 80A MCCB N3R

• Primary Breaker(s): (2) 30A 3P MCCB [480V]; (1) 15A 2P MCB [480V]

• Primary Outlet(s): (2) 430R7W IEC Pin & Sleeve Receptacle [480V]

• Transformer: 3KVA 460V – 110V 1PH N3R

• Secondary Voltage: 110V AC 1PH

• Secondary Panel: 110V 1PH 27.3A MLO N3R

• Secondary Breaker(s): (2) 20A 1P MCB [125V]

• Secondary Outlet(s): (2) 5-20R NEMA Duplex-GFCI [125V]

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

Protective Construction: The housing is constructed from powder coated steel with a NEMA 3R enclosure rating. The angled base and low center of gravity ensure this low voltage transform does not tip over when in the field. The entire unit is powder coated with glossy blue finish for corrosion resistance and aesthetics. The assembly is mounted atop four swivel polyurethane casters, two standard swivel and two locking swivel, aiding in transportation

within the job site.

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 NRTL 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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-CM5-TB.80AB-DF3SY-JZ-2.E16-2.N10-M1

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-CM5-TB.80AB-DF3SY-JZ-2.E16-2.N10-M1

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-CM5-TB.80AB-DF3SY-JZ-2.E16-2.N10-M1

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-CM5-TB.80AB-DF3SY-JZ-2.E16-2.N10-M1

Export Control Classification Number (ECCN): EAR99

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Links (Click on the below items to view):

- **ANSI Certificate 1**(https://www.larsonelectronics.com/images/product/ANSICert1/336433.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/336433.PDF)
- **Catalog Page - Product Series**(https://www.larsonelectronics.com/images/product/CatalogPage/336433.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/336433.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/336433.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/336433.PDF)
- **Certificate 5, Misc**(https://www.larsonelectronics.com/images/product/Cert5/336433.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/336433.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/336433.PDF)
- **Single Line Diagram (One-Line Diagram)**(https://www.larsonelectronics.com/images/product/Oneline/336433.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/336433.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/336433.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/336433.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/336433.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/336433.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/336433.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/336433.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/336433.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/336433.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/336433.JPG)
- **HigResPic9**(https://www.larsonelectronics.com/images/product/HigResPic9/336433.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)