Larson Electronics LLC
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MPD-480.3P.100A-50KVA-200AMCB.1PH-120.240-M1

50 KVA Portable Power Distribution - 480V to 120/240V 1PH - (3) CS6369 (2) L14-30R (1) 5-15R DPLX LOTO (2) 5-15R DPLX GFCI - N3R

Product ID: 261149

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-480.3P.100A-50KVA-200AMCB.1PH-120.240-M1 Power Distribution

Line-In Cord: Customer Provided
Line-In Cord Cap: Customer Provided
Primary Voltage: 480V AC, 1PH
Primary Disconnect: 100A 480V 1PH Fused @ 100A N3R
Primary Panel: -
Primary Breakers: -
Primary Receptacles: -
Primary Protection: Disconnect Switch, Time Delay Fuses
Transformer: 50KVA 480V to 120/240V 1PH 60Hz N3R
Secondary Voltage: 120/240V AC, 1PH
Secondary Disconnect: -
Secondary Panel: 200A 120/240V 1PH MCB N3R
Secondary Breakers: (3) 50A 2P [250V], (2) 30A 2P [250V], (4) 15A 1P [125V]
Secondary Receptacles: (3) 50A CS6369 [125/250V], (2) 30A L14-30R [125/250V], (2) 15A 5-15R w/ Lockout/Tagout [125V], (2) 15A 5-15R GFCI Duplex [125V]
Secondary Protection: Circuit Breakers, GFCI, Weatherproof Covers, Lockout/Tagout
Form Factor: Square tube frame, skid pockets, top pick eye & 8” locking casters
Frame Materials: Powder coated steel frame
Dimensions (w/ Casters): 56"L x 48"W x 75"H
Dimensions (w/o Casters): 56"L x 48"W x 81.5"H

Ratings

Max OCP Primary: 100A @ 480V
Max OCP Secondary: 200A @ 240V
NEMA 3R Indoor / Outdoor Use
Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187
Toll Free: 1-800-369-6671
Fax: 1-903-498-3364

Weight: 2000 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.

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-480.3P.100A-50KVA-200AMCB.1PH-120.240-M1 power distribution substation converts single-phase 480V AC electrical current into single-phase 120/240V 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-480.3P.100A-50KVA-200AMCB.1PH-120.240-M1 portable power distribution system gives operators the ability to power their 240 volt and 120 volt equipment from a single system. On the primary side, operators connect 480 volt using a customer provided cord. On the secondary side, three CS6969 receptacles for 120/240V equipment and two L14-30R receptacles for 120/240V equipment, as well as two 5-15R receptacles with lockout/tagout and two 5-15R GFCI duplex receptacles for 120V equipment are available. All receptacles are equipped with weatherproof covers.

Operation: A customer provided cord brings 480V power to the NEMA 3R 100-amp, three-phase 480V primary disconnect, which contains two 100-amp time delay fuses, and passes single-phase 480V power through to the transformer. The NEMA 3R 50 KVA transformer converts single-phase 480V to single-phase 120/240V 60Hz and passes the current to the secondary side. The secondary side of the transformer is equipped with a NEMA 3R 200-amp, single-phase 120/240V main circuit breaker panel. This secondary panel contains three 50-amp 2-pole 250V breakers protecting three 50-amp CS6369 125/250V receptacles, two 30-amp 2-pole 250V breakers protecting two 30-amp L14-30R 125/250V receptacles and four 15-amp 1-pole 125V breakers protecting two 15-amp 125V 5-15R receptacles with lockout/tagout and two 15-amp 125V GFCI duplex receptacles.

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 3/16" thick carbon steel mounting platform and the load center/distribution assembly is mounted to the standard 2" x 2" x 1/8" 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.

Certification: All units are built in accordance to NFPA 70 (National Electric Code). 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.

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Frequently Asked Questions (FAQ)



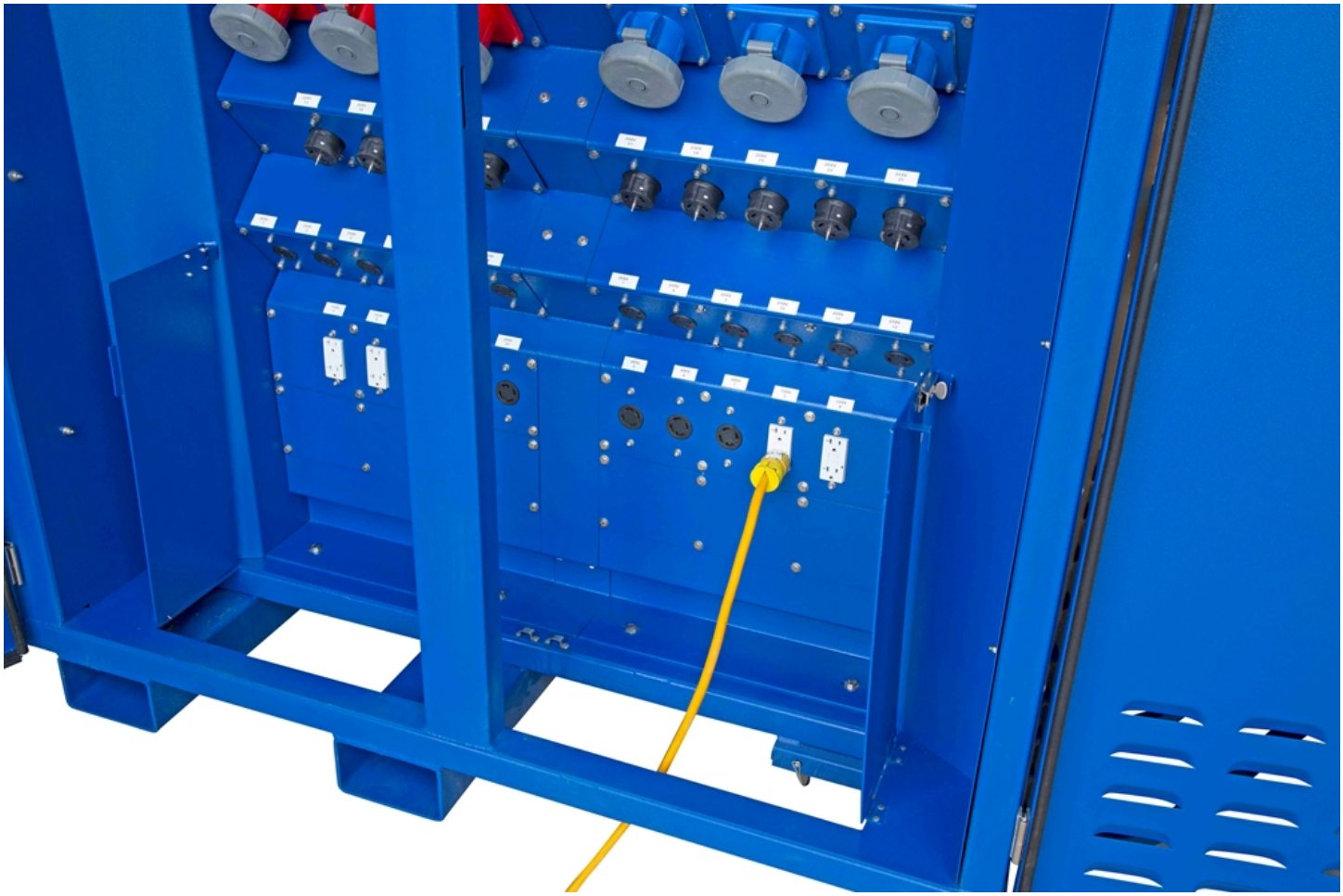
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Export Control Classification Number (ECCN): EAR99

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
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram
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- ISO 9001 Certification
- Business Certificate
- Shipping Time Map