Larson Electronics LLC
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MPD-60C-480D-15KVA-208Y.120-12X120.20A-E18

15 KVA Power Substation - 480V to 208Y/120V, 3PH - (12) 5-20R GFCI Receptacles - 18" Above Ground - 60' Cord

Product ID: 236617

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-60C-480D-15KVA-208Y.120-12X120.20A-E18 Power Transformer

Line-In Cord: 60` #10 SOOW Cord w/ Blunt-cut End
Line-In Cord Cap: Customer Provided
Primary Voltage: 480V AC, 3PH
Primary Disconnect: 30A 480V 3PH Fused @ 30A N3R
Primary Panel: -
Primary Breakers: -
Primary Receptacles: -
Primary Protection: Disconnect, Time Delay Fuses
Transformer: 15 KVA 480V to 208Y/120V 3PH 60Hz N3R
Secondary Voltage: 208Y/120V AC, 3PH
Secondary Panel: 50A 208Y/120V 3PH MCB N3R
Secondary Breakers: (12) 20A 1P [125V]
Secondary Receptacles: (12) 20A 5-20R GFCI Duplex [125V]
Secondary Protection: GFCI, Circuit Breakers
Form Factor: Square tube frame w/ 1/8" side walls, hinged access doors, skid pockets, top pick eye & 8" locking casters
Frame Materials: Powder coated steel frame
Dimensions: 48" X 44" X 64"
Weight: 750 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

Ratings

Max OCP Primary: 30A @ 480V
Max OCP Primary: 50A @ 208V
UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor or Outdoor Use
Made in the USA
18" Above Ground

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

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

configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

This unit is Made In USA - Manufactured in Texas

The Larson Electronics MPD-60C-480D-15KVA-208Y.120-12X120.20A-E18 power distribution substation converts three-phase 480V AC electrical current into three-phase 208Y/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. Designed for aircraft hangar applications, all electrical components are mounted 18 inches above ground.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

Portable Power Distribution Purpose and Use

The MPD-60C-480D-15KVA-208Y.120-12X120.20A-E18 portable power distribution system gives operators the ability to power their 120 volt equipment from a single system. On the primary side, operators connect 480V line-in power using a 60` #10 SOOW cord with a blunt-cut end. On the secondary side, twelve 5-20R GFCI duplex receptacles are available for 120V equipment.

Operation: A 60` #10 SOOW cord with a blunt-cut end brings three-phase 480V power to the NEMA 3R 30-amp, three-phase 480V primary disconnect, which is fused at 30 amps, and passes power through to the transformer. The NEMA 3R 15 KVA transformer converts 480V to 208Y/120V 60Hz and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 50-amp, three-phase 208Y/120V main circuit breaker panel. This secondary panel contains twelve, 20-amp 1-pole 125V breakers protecting twelve, 20-amp 125V GFCI duplex receptacles.



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 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. All electrical components are mounted 18 inches above ground. 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.

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Certification: Larson Electronics is a UL 1640 panel shop and certified to build portable power distribution systems. 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.

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Frequently Asked Questions (FAQ)



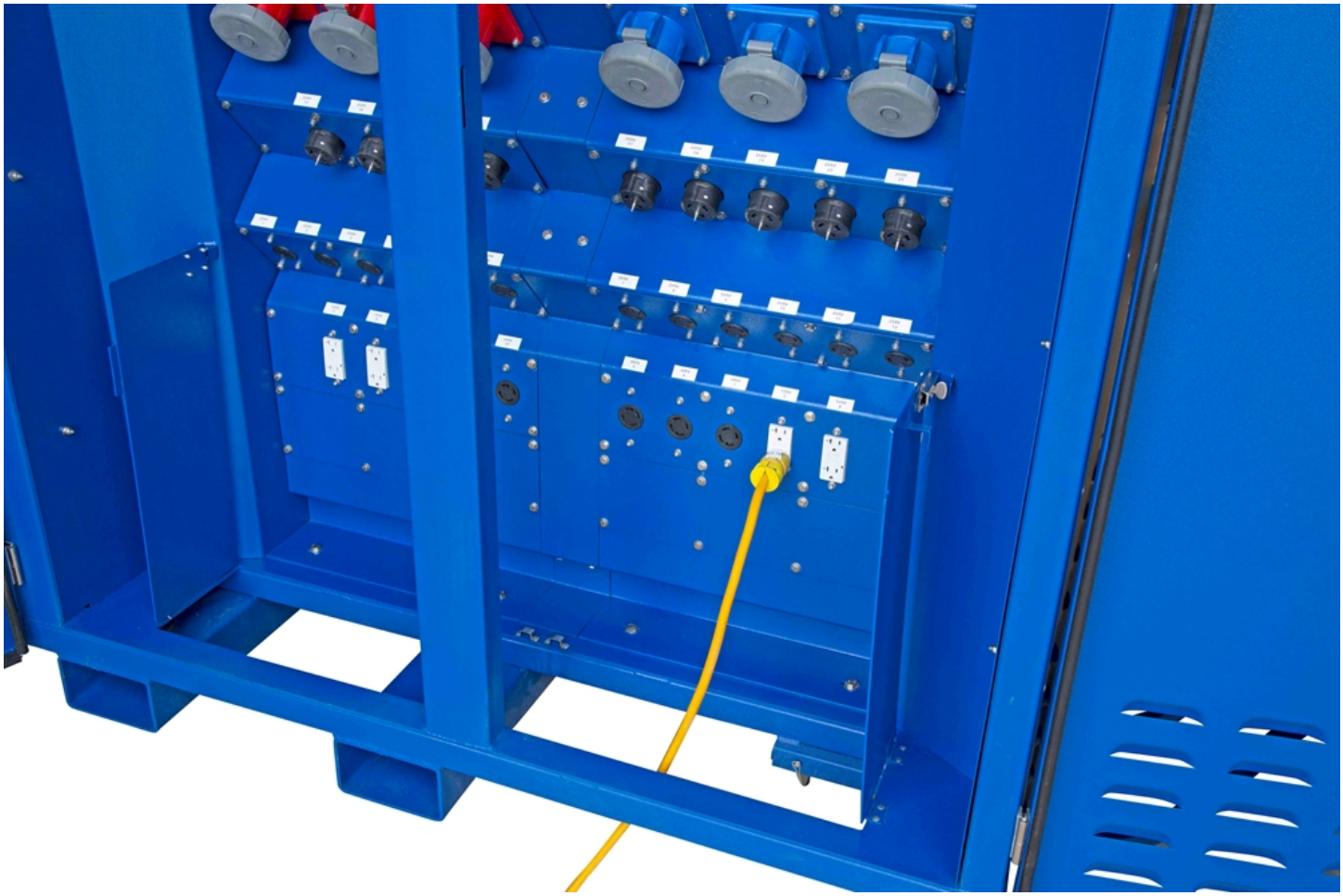
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Product ID: 236617

Harmonized System (HS) Code: 8504.21.0040

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 (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map