Larson Electronics LLC
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MPD-20C-240.1P-10KVA-4X120-2X240

10KVA Power Substation - 240V to 120/240V 1PH - (4) 6-15R (2) 5-20R-GFCI (2) 5-15R-GFCI - 20' Cord

Product ID: 221957

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-20C-240.1P-10KVA-4X120-2X240 Power Transformer

Line-In Cord: 20` #6 SOOW Cord
Line-In Cord Cap: Customer Provided
Primary Voltage: 240V 1PH
Primary Disconnect: 60A 240V 1PH Fused @ 50A N3R
Primary Panel: -
Primary Breakers: -
Primary Receptacles: -
Primary Protection: Disconnect, Time Delay Fuses
Transformer: 10KVA 240V to 120/240V 1PH 60 Hz N3R
Secondary Voltage: 120/240V 1PH
Secondary Panel: 50A 120/240V 1PH MCB N3R
Secondary Breakers: (2) 15A 2P [250V], (2) 20A 1P [125V], (2) 15A 1P [125V]
Secondary Receptacles: (4) 15A 6-15R [250V], (2) 20A 5-20R GFCI [125V], (2) 15A 5-15R GFCI [125V]
Secondary Protection: Breakers, GFCI, Weatherproof Covers
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 48" X 62"
Weight: 550 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

Ratings

Max OCP Primary: 50A @ 240V
Max Secondary Output: 42A @ 240V
Max Secondary OCP: 50A @ 240V
UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor or Outdoor Use

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

E-mail: sales@larsonelectronics.com

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

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. Code section 250*

This unit is Made In USA - Manufactured in Texas

The Larson Electronics MPD-20C-240.1P-10KVA-4X120-2X240 power distribution substation converts single-phase 240V AC electrical current into single-phase 120/240V AC. This unit provides operators the ability to safely tap into and distribute 240V 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-20C-240.1P-10KVA-4X120-2X240 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 240 volt line-in power via 20` of #6 SOOW cord. On the secondary side, operators connect to four 6-15R receptacles for 240V equipment, to two 5-20R GFCI receptacles for 120V equipment and to two 5-15R GFCI receptacles for 120V equipment. All receptacles are equipped with weatherproof covers.

Operation: A 20` #6 SOOW cord brings 240V single phase power to the NEMA 3R 60-amp 240V single phase primary disconnect, which contains two 50-amp time delay fuses, and passes power through to the transformer. The NEMA 3R 10 KVA transformer converts 240V to 120/240V single phase and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 50-amp 120/240V single phase main circuit breaker panel. This secondary panel contains two 15-amp 2-pole 250V breakers protecting four 15-amp 250V 6-15R receptacles, two 20-amp 1-pole 125V breakers protecting two 20-amp 125V 5-20R GFCI receptacles and two 15-amp 1-pole 125V breakers protecting two 15-amp 125V 5-15R GFCI receptacles.



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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 allows easy lifting with cable or chain hooks. This can be replaced with stainless steel, hot dip galvanized steel, or aluminum depending on the customer's needs for an additional cost. 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)



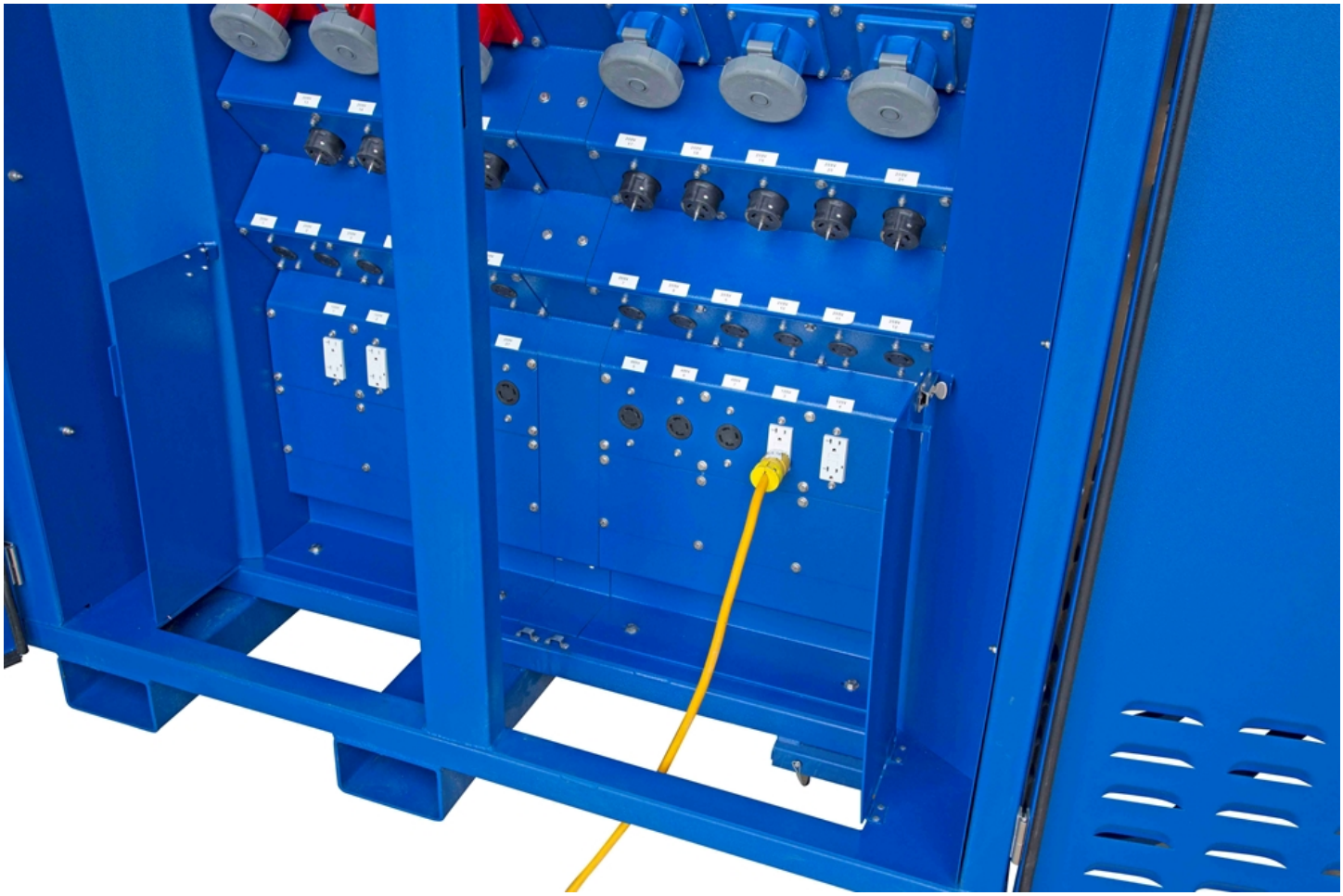
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Product ID: 221957

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)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map