Larson Electronics LLC
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Fax: 903.498.3364

MGS-480.3P-2X20A-30KVA-2X240.15A-4X120.20A-100C

Power Distribution Station - (2) 480V L16-20R - 30KVA - (2) 240V L6-15R (4) 120V 5-20R Duplex GFCI

Product ID: 147293

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

MGS-480.3P-2X20A-30KVA-2X240.15A-4X120.20A-100C Portable Power Distribution System

Line-in Cord: 100` 6/4 SOOW Cord

Line-in Cord Cap: Customer Provided

Primary Voltage: 480V 3-Phase
Primary Panel: 480V 100A MLO N3R
Primary Breakers: (2) 20A [480V], (1) 50A [XMFR]

Primary Receptacles: (2) L16-20R [480V]

Primary Protection: Weatherproof Covers, Primary breaker

Transformer: 30KVA 480V 3P to 240/208-120V

Secondary Panel: 240/208-120V 100A MLO N3R

Secondary Breakers: (2) 15A [240V], (4) 20A [120V]

Secondary Receptacles: (2) L6-15R [240V], (4) 5-20R GFCI Duplex [120V]

Secondary Protection: GFCI, weatherproof covers

Form Factor: Square Tube Frame, Skid Pockets, Top Pick Eye & Locking 8” Locking Casters
Frame Materials: Powder Coated Steel Frame

Dimensions: 34” X 44” X 58”

Weight: 400 lbs

Ratings/Approvals

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

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

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Larson Electronics manufacture 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.

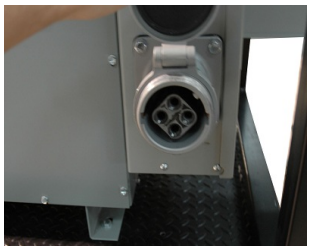
All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

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The Larson Electronics MGS-480.3P-2X20A-30KVA-2X240.15A-4X120.20A-100C power distribution substation converts 480V AC three phase electrical current into three phase 240V AC and 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.

The MGS-480.3P-2X20A-30KVA-2X240.15A-4X120.20A-100C portable power distribution system gives operators the ability to power their 480 volt, 240 volt and 208/120 volt equipment from a single system. On the primary side, operators connect 480 volt line-in power via 100` 6/4 SOOW cord. Operators connect 480V equipment to two L16-20R receptacles. On the secondary side, operators connect to two L6-15R receptacles for their 240V equipment and four 5-20R GFCI duplex receptacles for 208/120V equipment.

The 100` 6/4 SOOW line-in cord brings 480V three phase power to the NEMA 3R 100-amp, 480V three phase primary MLO panel, which contains two 20-amp, 480V breakers protecting two L16-20R receptacles. The 30 KVA transformer converts 480V three phase power to 240/208-120V three phase and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 100-amp, 240/208-120V three phase secondary MLO panel. This secondary panel contains two 15-amp, 240V breakers protecting two L6-15R receptacles and four 20-amp, 120V breakers protecting four 5-20R GFCI duplex receptacles.



Click Photo to Enlarge



Click Photo to Enlarge



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. 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: 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.
Larson Electronics is a manufacturer and as such can build portable transformer systems to your specifications. Although we carry several models of power distribution transformers, 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)



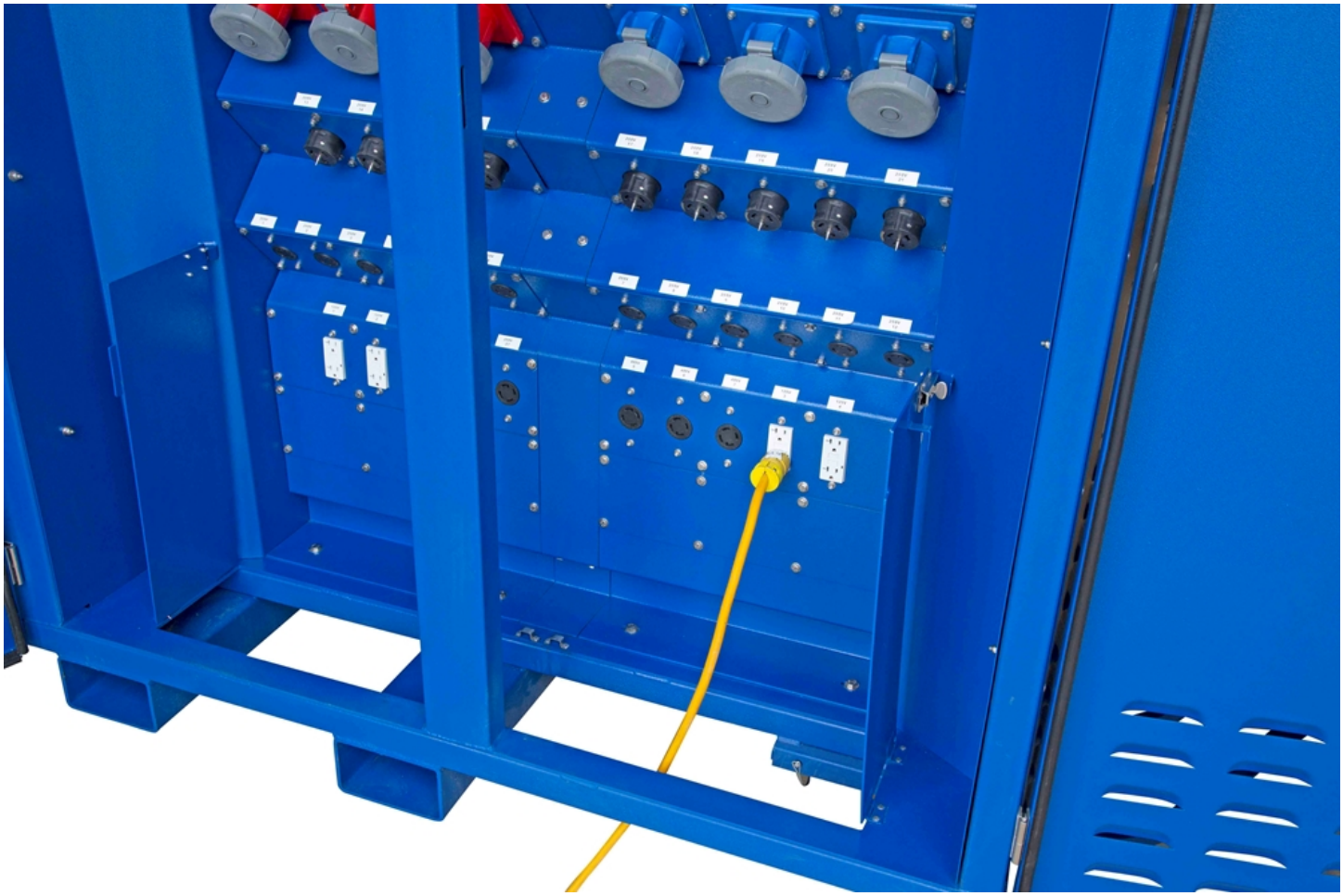
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Product ID: 147293

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