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MGL15-480-120-1X240.30-10X120.20

15KVA Portable Distribution Panel - 480V to 120/240V 1PH - (1) L6-30R, (10) 5-20R GFCI Duplex - 10' Cord

Product ID: 235779

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

MGL15-480-120-1X240.30-10X120.20 Power Distribution

Line-In Cord: 10` #8 SOOW Cord w/ Blunt-cut End
Line-In Cord Cap: -
Primary Voltage: 480V AC, 1PH
Primary Disconnect: 60A 480V 3PH Fused @ 40A N3R
Primary Panel: -
Primary Breakers: -
Primary Protection: Disconnect Switch, Time Delay Fuses
Transformer: 15KVA 480V to 120/240V 1PH 60Hz N3R
Secondary Voltage: 120/240V AC, 1PH
Secondary Disconnect: -
Secondary Panel: 100A 120/240V 1PH MLO N3R
Secondary Breakers: (1) 30A 2P [250V], (10) 20A 1P [125V]
Secondary Receptacles: (1) 30A L6-30R [250V], (10) 20A 5-20R GFCI Duplex [125V]
Secondary Protection: Breakers, Weatherproof Covers, GFCI
Form Factor: Powder Coated Steel Dolly Cart, No Tires
Frame Materials: Powder Coated Steel Frame
Dimensions: W-40" X D-40" X H-48"
Weight: 350 pounds

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

Ratings

Max Primary OCP: 40A @ 480V
Max Secondary Output: 62.5A @ 240V
UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor / Outdoor Use
Made in the USA
No Flat Tires

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 Code section 250

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 MGL15-480-120-1X240.30-10X120.20 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 MGL15-480-120-1X240.30-10X120.20 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 10` of #8 SOOW cord with blunt-cut end. On the secondary side, operators connect to one, L6-30R for 240V equipment and ten, 5-20R GFCI duplex receptacles for 120V equipment. All receptacles are equipped with weatherproof covers.

Operation: A 10` #8 SOOW cord with blunt-cut end brings 480V power to the NEMA 3R 60-amp, three-phase 480V primary disconnect, which contains two 40-amp time delay fuses, and passes single-phase 480V through to the transformer. The NEMA 3R 15KVA transformer converts 480V power to single-phase 120/240V 60Hz and passes the current to the secondary side. The secondary side of the transformer contains a NEMA 3R 100-amp, single-phase 120/240V main lug only panel. This secondary side contains one, 30-amp 2-pole 250V breaker protecting one, 30-amp 250V L6-30R receptacle and ten, 20-amp 1-pole 125V breakers protecting ten, 20-amp 125V 5-20R GFCI duplex receptacles.

Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge



Protective Construction: The transformer and load center/distribution assembly is mounted to a powder coated steel, dolly-cart style frame resulting in an extremely stable, durable, and mobile power distribution platform. A dolly cart style mounting platform provides easier substation mobility, and a center point lift point allows easy lifting with cable or chain hooks. This temporary power distribution solution can be modified to meet the needs of job-site receptacle requirements. Units are available up to 150KVA 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.

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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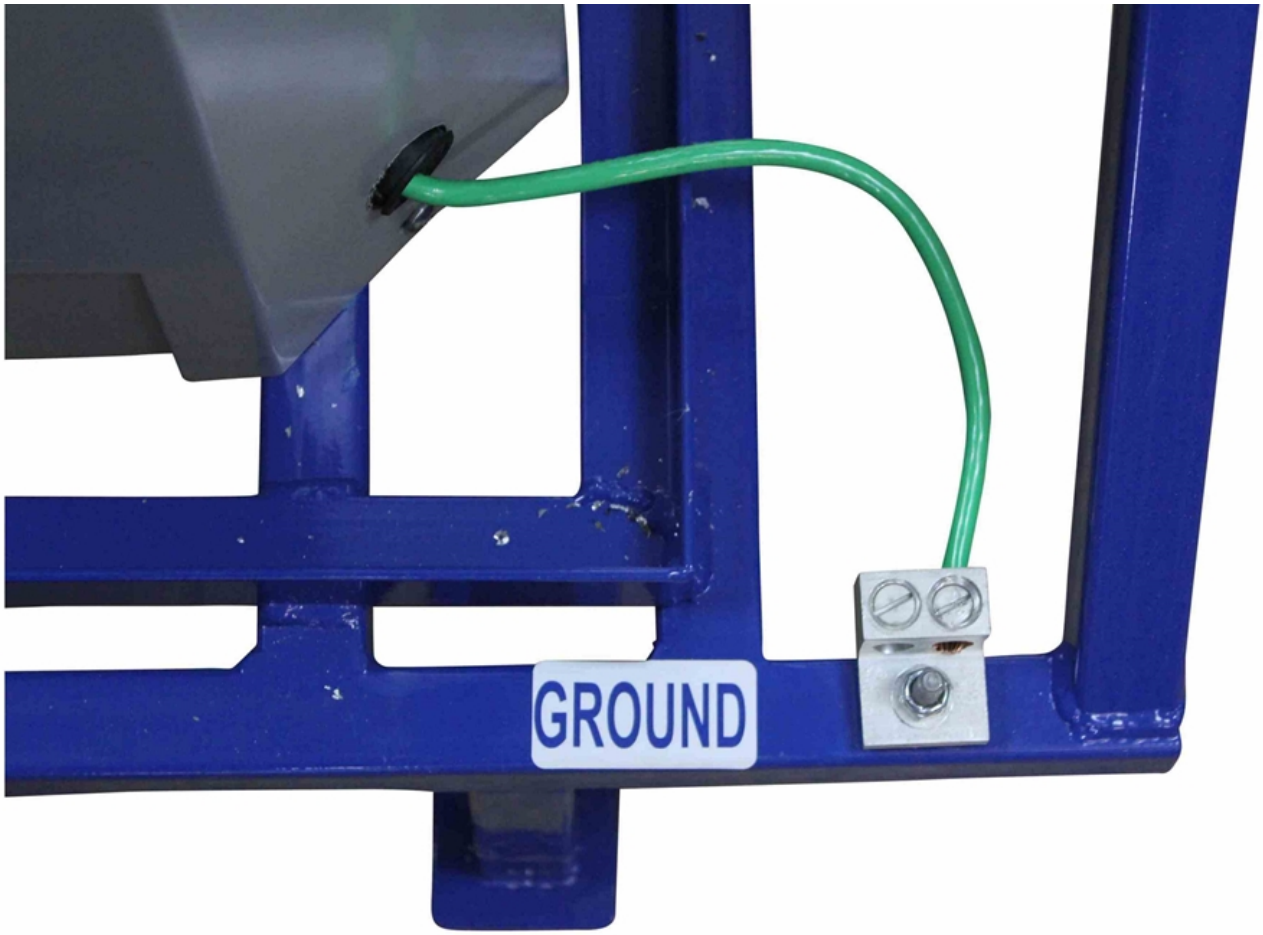
Frequently Asked Questions (FAQ)



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GROUND



MGL15-480-120-1X240.30-10X120.20

Product ID: 235779

Harmonized System (HS) Code: 8504.21.0040
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- Catalog Page - Product Series
- Certificate 1, Misc
- Operations Manual
- 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