

**MGL-480V-15KVA-110.220V-2X2P.30A**

**15KVA Temporary Power Distribution - 480V to 110/220V, 1PH - (2) 6-30R - 10' SOOW Cord - N3R**  
**Product ID: 238656**

**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**

**MGL-480V-15KVA-110.220V-2X2P.30A -Temporary Power Distribution**

**Line In:** 10' #8 SOOW Cord

**Line-in Cord Cap:** Customer-provided

**Primary Voltage:** 480V AC, 1PH

**Primary Disconnect:** 60A 480V 3PH N3R Fused @ 40A

**Primary Panel:** -

**Primary Breakers:** -

**Primary Receptacles:** -

**Primary Protection:** Disconnect, Time Delay Fuses

**Transformer:** 15KVA 480V to 110/220V 1PH 60Hz N3R

**Secondary Voltage:** 110/220V AC, 1PH

**Secondary Disconnect:** -

**Secondary Panel:** 100A 110/220V 1PH MLO N3R

**Secondary Breakers:** (2) 30A 2P [250V]

**Secondary Receptacles:** (2) 30A 6-30R [250V]

**Secondary Protection:** Circuit Breakers, Weatherproof Covers

**Form Factor:** Powder Coated Steel Dolly Cart

**Dimensions:** W-40" X D-40" X H-48"

**Weight:** 350 lbs

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

**Ratings**

**Max Primary OCP:** 40A @ 480V

**Max Secondary Output:** 62.5A @ 220V

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

**Intl:** 1-903-270-1187

**Toll Free:** 1-800-369-6671

**Fax:** 1-903-498-3364

**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

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

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 MGL-480V-15KVA-110.220V-2X2P.30A temporary power distribution system converts single-phase 480V AC electrical current into single-phase 110/220V 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 MGL-480V-15KVA-110.220V-2X2P.30A portable power distribution system gives operators the ability to power their 240 volt equipment from a single system. On the primary side, operators connect 480V using 10` of #8 SOOW cord. On the secondary side, operators can connect to two, 6-30R receptacles for 240V equipment. All receptacles are equipped with weatherproof covers.

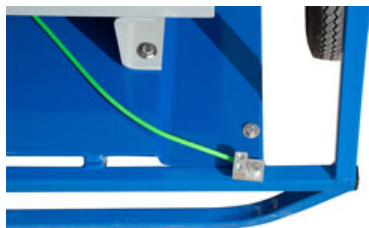
**Operation:** A 10` #8 SOOW cord brings 480V power to the NEMA 3R 60-amp, three-phase 480V primary disconnect, which contains two 40-amp time delay fuses, and passes single-phase 480V power through to the transformer. The NEMA 3R 15 KVA transformer converts 480V to single-phase 110/220V and passes the current to the secondary side. The secondary side of the transformer feeds a NEMA 3R 100-amp, single-phase 110/220V main lug only panel. This secondary panel contains two, 30-amp 2-pole 250V breakers protecting two, 30-amp 250V 6-30R receptacles.



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)



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**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 150 KVA, 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 NEMA 3R rated and ideal for indoor/outdoor use and applications including but not limited to; construction sites, plant maintenance, plant turnarounds, shows, exhibits and shipyard operations. 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](mailto:sales@larsonelectronics.com) to discuss your specific requirements.



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## Frequently Asked Questions (FAQ)









**MGL-480V-15KVA-110.220V-2X2P.30A**

**Product ID: 238656**

**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](#)
- [Dimensional Drawing 2D](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
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