

25KVA Temporary Power Distribution - 480V to 120V - (12) 20A 120V GFCI Protected Receptacles

Part #: MGL-25KVA-480-12X120.20A

**Made in Texas**

The Larson Electronics MGL-25KVA-480-12X120.20A temporary power distribution system converts 480VAC current to single phase 120VAC and 240VAC 60 Hz. This power distribution system provides operators the ability to safely tap into and distribute 480VAC power from a variety of sources including generators and direct grid power. This portable substation is suitable for outdoor applications with a fully potted transformer and NEMA 3R load center. This power distribution system is configured to transform 480V to 120/240V. Operators can connect up to ten 20A 120V devices on 120V circuits via 5-20R GFCI protected receptacles with waterproof covers.

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

The MGL-25KVA-480-12X120.20A temporary power distribution system provides a safe and reliable way for operators in industrial settings to tap into and utilize power sources independently of the work area. This unit provides an effective power distribution system for operators performing plant turnarounds, maintenance, equipment installations and any activities requiring an alternative to native power sources.

This portable transformer is designed to operate with 480V, three phase, 60 Hz which it then steps down to 120VAC, single phase, 60 Hz. The power distribution system on this portable substation makes 120VAC available via (10) 5-20R 20-amp, 125V GFCI protected duplex receptacles.

Description:

The MGL-25KVA-480-12X120.20A portable power distribution substation converts 480VAC electrical current to single phase 120VAC via a 25KVA transformer (480V to 120/240V, 1PH, 60Hz). 25 feet of 8/3 Type W line-in cable is included to connect the substation to a primary 480V primary power supply. A 60-amp fused disconnect fused with two 60-amp time delay fuses provides primary line-in protection and supplies primary power to the 25KVA transformer.

Secondary current is wired to a 120/240V, single phase, 100-amp load center with main breaker for circuit protection. 120V line out protection is provided by ten 20-amp, 125V, single pole breakers.

Connection for 120VAC is through receptacles mounted on the side of the load center. Receptacles include ten 20-amp, 125V, GFCI waterproof duplex receptacles. The load center is rated NEMA 3R, the transformer is potted and the entire system is built and certified to UL 1640 standards.

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. Two run-flat rubber tires and 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.

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 to discuss your specific requirements.

Specifications / Additional Information**MGL-25KVA-480-12X120.20A -Temporary Power Distribution System****Line In:** 25' 8/3 Type W**Primary Voltage:** 480VAC 60 Hz**Disconnect:** 480V 3PH 60A Fused @ 60A**Transformer:** 25KVA 1PH 480-120/240V N3R**Secondary Voltage:** 120VAC 60 HZ**Secondary Panel:** 120/240V 1PH 100A MCB N3R**Secondary Protection:** (12) 20A 1P 125V Breakers**Secondary Outlets:** (12) 20A 125V 5-20R GFCI Weather Proof Protected Receptacles**Form Factor:** Powder Coated Steel Dolly Cart w/ Run Flat Tires**Dimensions:** W-40" X D-40" X H-48"**Weight:** 550 lbs**Features:****Primary Max OCP:** 60A @ 480V**Secondary Max OCP:** 100A @ 120V

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.

Ratings

UL 1640 Portable Power-Distribution Equipment

NEMA 3R Indoor or Outdoor Use

Made in the USA

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671**Intl:** 1-903-498-3363**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

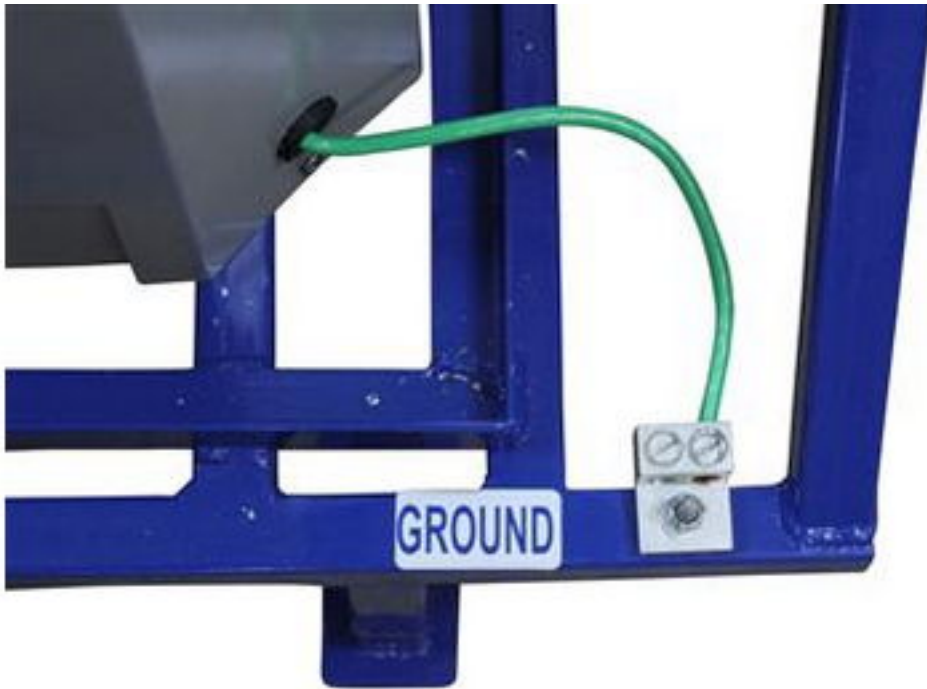
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Links (Click on the below items to view):

- [Dimensional Drawing](#)
- [Manual](#)
- [WiringDiagram](#)
- [Hi-Res Image 1 - Temporary Power Distribution with 480 Volt Transformer](#)
- [Hi-Res Image 2 - Temporary Power Distribution with 480 Volt Transformer](#)
- [Hi-Res Image 3 - Temporary Power Distribution with 480 Volt Transformer](#)
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