

**30 KVA Temporary Power Distribution - 480V to 208/120V 3P - (4) 20A 120V & (1) 50A 208V Receptacles**

Part #: MGL-30KVA-4X120.20A-1X208.50A

**Made in Texas**

The Larson Electronics MGL-30KVA-4X120.20A-1X208.50A temporary power distribution system converts 480 VAC current to single phase 120V AC and 208V AC 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 208/120V. Operators can connect up to four devices on 120V circuits via 5-20R plugs and one 208V tools via the CS8369 receptacle with covers.

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

The MGL-30KVA-4X120.20A-1X208.50A 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, 60hz which it then steps down to three phase 120V AC and 208V AC. The power distribution system on this portable substation makes 120V AC available via (4) 5-20R 20amp, 125V GFCI protected duplex receptacles and 208 VAC available via (1) CS8369 50amp, 250V receptacle.



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#### **Description:**

The MGL-30KVA-4X120.20A-1X208.50A portable power distribution substation converts three phase, 480 VAC electrical current to 120V AC and 208V AC via a 30K VA transformer (480V to 208Y/120, 60Hz). 10 feet of 4/4 SOOW line in cable is included to connect the substation to a primary 480V primary power supply. A fused disconnect provides primary line-in protection and supplies primary power to the 30 KVA transformer.

Secondary current is wired to a 120/208V, single phase, 100-amp load center with main breaker for circuit protection. 120/208V line out protection is provided by three 20-amp, 125V, single pole breakers and one 50-amp, 250V, 2 pole breaker.

Connection for 208/120V AC is through receptacles mounted on the side of the load center. Receptacles include four 20-amp, 125V, GFCI waterproof duplex receptacles and one 50-amp, 250V receptacle. 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 150 KVA 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-30KVA-4X120.20A-1X208.50A -Temporary Power Distribution System****Line In:** 25' 4/4 SOOW**Primary Voltage:** 480V AC 60 Hz**Disconnect:** 60A 480V, 3PH, Fused**Transformer:** 25KVA 480-120/208 Delta N3R**Secondary Voltage:** 208/120V AC 60 HZ**Secondary Panel:** 100A MCB N3R Pane**Secondary Protection:** (4) 20A 120V & (1) 50A 208V Breakers**Secondary 120V Outlets:** (4) 20A, 125V, Weatherproof 5-20R GFCI Protected Receptacles**Secondary 208V Outlets:** (1) 50A, 250V, CS8269 Receptacles**Form Factor:** Powder Coated Steel Dolly Cart w/ Run Flat Tires**Dimensions:** W-40" X D-40" X H-48"**Weight:** 550 lbs

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/Quick Summary**

UL 1640 Portable Power-Distribution Equipment

NEMA 3R Indoor or Outdoor Use

Made in the USA

**Max Primary OCP:** 36 amps @ 480V**Max Secondary OCP:** 100 amps @ 208Y**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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Part #: MGL-30KVA-4X120.20A-1X208.50A (146927)









Links (Click on the below items to view):

- [Manual](#)
- [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](#)
- [Hi-Res Image 4 - Temporary Power Distribution with 480 Volt Transformer](#)
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