

Power Distribution System - 45KVA transformer - (12) 120 5-20 Outlets and (2) 208Y L21-30R

Part #: MGS-45KVA-12X120-2X208



Made in the USA

The Larson Electronics MGS-45KVA-12X120-2X208 power distribution substation converts 480 VAC three phase electrical current into 3 phase 120/208 3 phase Wye. This unit provides operators the ability to safely tap into and distribute 480VAC power from a variety of sources including generators and direct grid power.

The MGS-45KVA-12X120-2X208 transformer provides a safe and effective way for operators in industrial settings to tap into and utilize power sources independently of the work area. This unit provides an effective power source for operators performing plant turnarounds, maintenance and cleaning in hazardous areas, equipment installations and repairs and any activities requiring an alternative to native power sources. This unit is designed to operate with 480 three phase which it then transforms to 120 Volt single phase and 208 Wye. This transformer makes 120VAC available via twelve GFCI protected 20 amp receptacles and two 208V receptacles.

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20' of number 4/4 SOOW W cable connects line-in power to a fused ON/OFF disconnect switch which controls current to the 45 KVA, 480 Volt 3 phase transformer.

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 polyurethane 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.

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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.

Specifications / Additional Information**MGS-45KVA-12X120-2X208 Power Transformer****Line In:** 480 VAC Three Phase**Line Out:** 120/208Y**Disconnect:** 60 amp (fused at 60A)**KVA:** 45**Panel:** 150 amp**120 VAC Outlets:** (12) 120V 5-20 20amp GFI**208 Delta Outlets:** (2) 208Y L21-30R**Protection:** GFCI Outlets, Circuit Breakers**Mounting:** Skid and Lifting Eyelet Equipped Steel Frame**Wiring:** 20` Line Power SO Cord (#6/4 with ground)**Disconnect:** Fused ON/OFF Disconnect Switch**Dimensions:** 36"W X 30"D X 56"H**Weight:** ~250lbs**Features:****Max Amps Output:** 125 amps 120-208V 3 phase**Max Amps Input:** 54 amps @480V 3 Phase**Max Primary OCP:** 135A NEC Table 450.3(B)

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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This product does not qualify for free shipping.

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Links (Click on the below items to view):

- [Manual](#)
- [Hi-Res Image 1 - Power Distribution System - 45KVA transformer](#)
- [Hi-Res Image 2 - Power Distribution System - 45KVA transformer](#)
- [Hi-Res Image 3 - Power Distribution System - 45KVA transformer](#)
- [Hi-Res Image 4 - Power Distribution System - 45KVA transformer](#)
- [Hi-Res Image 5 - Power Distribution System - 45KVA transformer](#)
- [Hi-Res Image 6 - Power Distribution System - 45KVA transformer](#)
- [Hi-Res Image 7 - Power Distribution System - 45KVA transformer](#)
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