

MPD-480-45K-125MB-120.240-C-W

Portable Power Distribution Substation - 45KVA - 480V Primary - 120/240V Secondary - NEMA 3R

Product ID: 71226

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.

MPD-480-45K-125MB-120.240-C-W Power Distribution Substation

Line In: Three Phase 480 VAC 20` SO Cable

Disconnect: 60 amp fused at 60 amps

Load Center: 125 amp Main Breaker, NEMA 3R , 42 circuit panel

Transformer KVA: 45

Dimensions: W-44" X L-42" X H-56"

Mounting: Steel Frame w/ Eyelet and Locking Casters

Ground: Mechanical Ground

Weight: ~420lbs

Features:

Max Primary OCP: 60 amps @ 480V

Max Secondary OCP: 108.3 amps @ 240V

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 - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

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

Made in the USA

This Larson Electronics Power Distribution Substation converts 480 VAC three phase

primary electrical current to three phase and 120V and 240V single phase on the secondary. This heavy duty power distribution system includes a 60 amp 3 phase fusible safety switch fused at 60 amps on the main for incoming 480V three phase power.

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

The MPD-480-45K-125MB-120/240-C-W portable power transformer substation 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 and cleaning in hazardous areas, equipment installations and repairs, and any activities requiring an alternative to native power sources.

This portable transformer is designed to accept 480v 3-phase power via a 20 foot SO cord line-in, which it then steps down to 240D/120VAC with a 45KVA transformer. The power distribution system on this portable substation makes 120/240VAC single phase available for operators.

Features:

- 20' line in SO cable
- Fusible 60-Amp, 480V disconnect, fused at 60 amps
- 45KVA NEMA 3R 480V to 240D/120V Transformer
- 125 Amp NEMA 3R, 42 circuit panel



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The load center on this unit is mounted within a NEMA 3R enclosure for protection against accidental contact, rain, dust, splashing water, and sprayed water. The transformer 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 4 heavy duty polyurethane 8" casters and a top located lifting eyelet which allows easy lifting with cable or chain hooks.

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, hazardous location operations, shows, exhibits, and shipyard operations. These power transformers are popularly used in applications where external power sources are often necessary and work well in combination with explosion proof lights and equipment.

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.

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Frequently Asked Questions (FAQ)





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Product ID: 71226

Harmonized System (HS) Code: 8504.21.0040

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Catalog Page - Product Series](#)
- [Operations Manual](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)