Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

## MPD-240V-25KVA-120.240V-2XDS

### 25 KVA Power Substation - 240V to 120/240V 1PH - Primary/Secondary Disconnects - N3R

**Product ID: 154080**

**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**

**MPD-240V-25KVA-120.240V-2XDS Power Transformer**

**Line-In Cord: Customer Provided**
**Line-In Cord Cap: Customer Provided**
**Primary Voltage: 240V 1PH**
**Primary Disconnect: 200A 250V 1PH Fused @ 125A N3R**
**Primary Protection: Disconnect Switch, Time Delay Fuses**
**Transformer: 25KVA 240V to 120/240V 1PH N3R**
**Secondary Voltage: 120/240V 1PH**
**Secondary Disconnect: 200A 120/240V 1PH Fused @ 125A N3R**
**Secondary Protection: Disconnect Switch, Time Delay Fuses**
**Form Factor: Square tube frame w/ 1/8" side walls, hinged access doors, skid pockets, top pick eye & locking 8" locking casters**
**Frame Materials: Powder coated steel frame**
**Dimensions: 48" X 48" X 62"**
**Weight: 550 pounds**

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/Approvals**

**Max Primary OCP: 125A @ 240V**
**Max PDU OCP: 125A @ 120/240V**
**Max Secondary Output: 104.2A @ 240V**
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

*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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**The Larson Electronics MPD-240V-25KVA-120.240V-2XDS power distribution substation converts 240V AC electrical current into single phase 120/240V AC. This unit provides operators the ability to safely tap into and distribute 240V 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 MPD-240V-25KVA-120.240V-2XDS portable power distribution system gives operators the ability to power their 240 volt and 120 volt equipment from a single system. On the primary side, operators bring 240V single phase power into the unit using a customer-provided cord. On the secondary side, operators are provided access to a secondary disconnect for completing connections to equipment.

**Operation:** A customer-provided cord brings 240V single phase power to the NEMA 3R 200-amp, 250V single phase primary disconnect, which contains two 125-amp time delay fuses, and passes 240V single phase through to the transformer. The NEMA 3R 25 KVA transformer converts 240V to 120/240V single phase and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 200-amp, 120/240V single phase disconnect. This secondary disconnect contains two 125-amp time delay fuses.



Click Photo to Enlarge



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Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

**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 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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**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 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.

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# Frequently Asked Questions (FAQ)



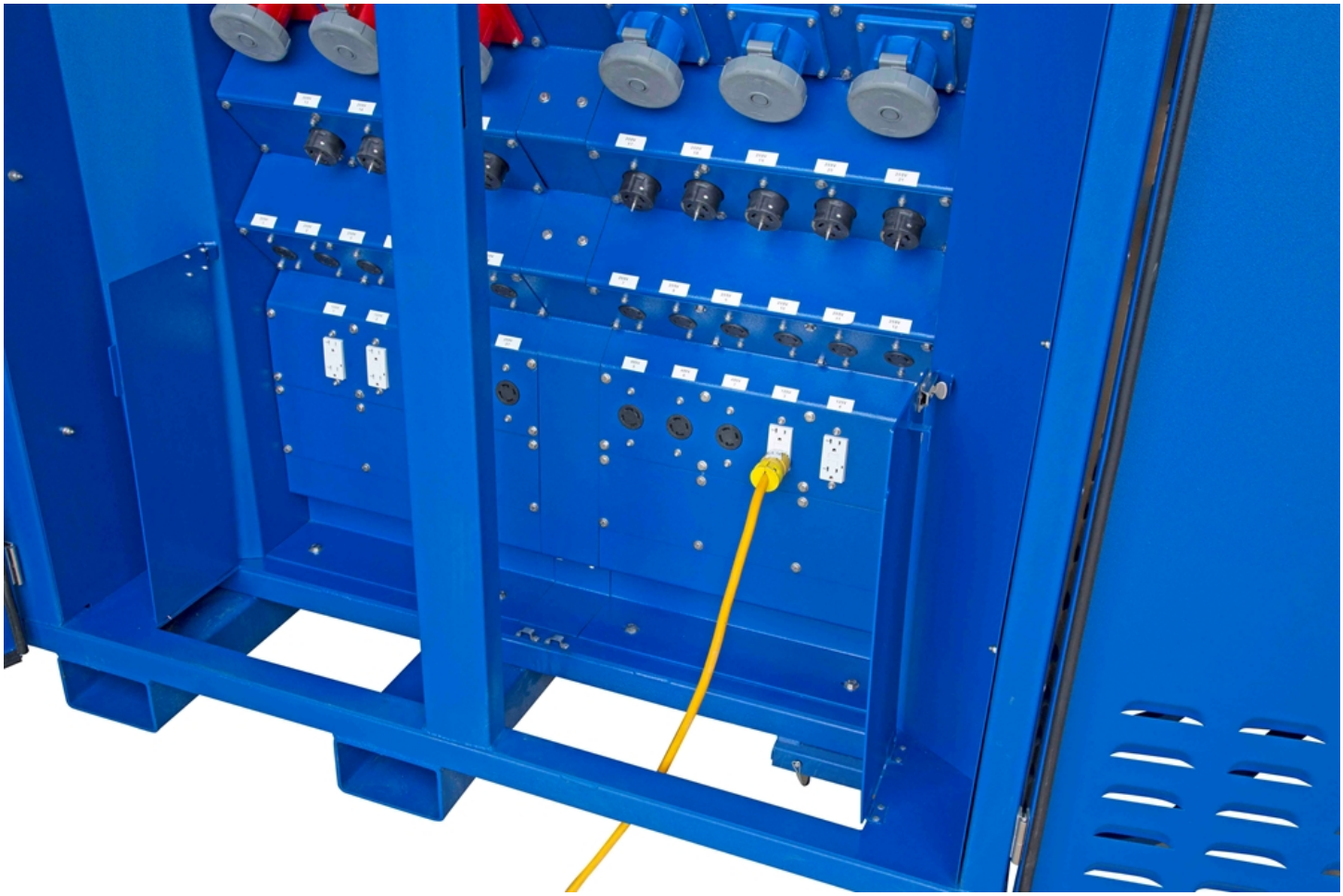
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**MPD-240V-25KVA-120.240V-2XDS**

**Product ID: 154080**

**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
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map