Larson Electronics LLC
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MPD-HD2-309.32AB-SJ7.5SY-DZ-4.H01-M1

7.5 kVA Hazardous Location Portable Power Distribution - C1D2 - 415V to 110V 1-phase - (4) EXP Pin/Sleeve Receptacles - 25' Cord

Product ID: 279906

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-HD2-309.32AB-SJ7.5SY-DZ-4.H01-M1 Temporary Power Distribution

Listing: NRTL Listed for United States, Canada

Line-in Cord: 25' 10/3 AWG SOOW Cord

Line-in Cord Cap: EX 32A Pin & Sleeve Male Plug 3PH [415V]

Primary Voltage: 415 V AC, Delta

Primary Phase: 1-phase

Primary Frequency: 60 Hz

Primary Disconnect: -

Primary Breakers: (1) 30A 2P C1D2-MCB [415V]

Primary Protection: MCB C1D2 Circuit Breaker

Transformer: 7.5KVA 415 to 110V 1PH C1D2

Secondary Voltage: 110 V AC

Secondary Phase: 1-phase

Secondary Frequency: 60 Hz

Secondary Panel: 110V 1PH 68.2A MLO Hinged SS N4X

Secondary Breakers: (4) 16A 1P C1D2-MCB [110V]

Secondary Receptacles: (4) CZ-EX 16A Pin & Sleeve [110V]

Secondary Protection: MCB C1D2 Circuit Breakers

Ratings/Approvals

Class I, Division 2
NRTL Certified to UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor or Outdoor Use
Made in the USA

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Form Factor: Square Tube Frame w/ Skid Pockets, Top Pick Eye & Locking 8" Casters
Frame Finish: High-strength TGIC Polyester Powder Coated Blue
Cart Handle Orientation: Horizontal
Lifting Eyelet: (1) Top Located
Skid Pockets: (2) Bottom Located
Casters: (4) Locking Casters

Dimensions: 34.00"-L x 40.00"-W x 58.00"-H

Weight: 650 lb

Max Primary OCP: 30A @ 415V

Max Secondary Output: 68.2A @ 110V

Larson Electronics manufactures 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.

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

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

This unit is Made In USA - Manufactured in Texas

The Larson Electronics MPD-HD2-309.32AB-SJ7.5SY-DZ-4.H01-M1 Hazardous Location Portable Power Distribution converts single-phase 415 V AC electrical current into single-phase 110 V AC in Class I, Division 2 rated sites. This unit provides operators the ability to safely tap into and distribute 415 V 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-HD2-309.32AB-SJ7.5SY-DZ-4.H01-M1 temporary power distribution system gives operators the ability to power their 110 volt equipment from a single system. On the primary side, operators connect single-phase 415 volt line-in power using 25` of 10/3 AWG SOOW cord terminated in a EX 32A Pin & Sleeve Male Plug 3PH [415 V]. On the secondary side, operators may access four hazardous location 16A pin/sleeve receptacles for 110 V equipment.

Operation: A 25-foot 10/3 AWG SOOW line-in cord terminated in a EX 32A Pin & Sleeve Male Plug 3PH [415 V] brings single-phase 415 V power to the primary side of the system, which contains one 30-amp 2-pole 415 V Class I, Division 2 miniature circuit breaker, and passes power to the transformer. The NEMA rated 7.5 kVA Class I, Division 2 transformer converts single-phase 415 V to 110 V and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA rated Class I, Division 2 68.2-amp, single-phase 110V main lug only panel. The hazardous location secondary panel contains four 16-amp 1-pole 125V Class I, Division 2 miniature circuit breaker protecting four hazardous location 16-amp pin/sleeve 110 V Class I, Division 2 receptacles.


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 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 be trailer mounted.

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.
Certification: 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 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.

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Frequently Asked Questions (FAQ)

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Product ID: 279906

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **Single Line Diagram (One-Line Diagram)**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**