Larson Electronics LLC
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Phone: 800.369.6671

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MPD-HW10-BS.30AB-DE15SZ-DE-8.H02-M1

15 KVA Hazloc Distribution Skid, 480V 3PH - 120/240V 1PH, (8) RSTAHL 20A C1D2 Outlets, 20' 10/4 AWG SOOW Cord, NEMA 4X

Product ID: 145926

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MPD-HW10-BS.30AB-DE15SZ-DE-8.H02-M1

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-HW10-BS.30AB-DE15SZ-DE-8.H02-M1 Temporary Power Distribution

Line-in Cord: 20' #10/4 AWG SOOW Cable [600V]
Line-in Cord Cap: Not Included - Requires Minimum Use C1D2 Device 30A @ [480V] (**Customer Provided**)
Primary Voltage: 480V AC Delta
Primary Phase: 3-Phase (3PH)
Primary Frequency: 60 Hz
Primary Panel: N/A
Primary Breaker(s): (1) 30A 3P MCCB C1D2 [480V]
Primary Outlet(s): N/A
Primary Protection: C1D2 MCCB Circuit Breaker
Transformer: 15KVA 480V to 120/240V 1PH C1D2
Secondary Voltage: 120/240V AC
Secondary Phase: 1-Phase (1PH)
Secondary Frequency: 60 Hz
Secondary Panel: 120/240V 1PH 40A GFCI-MCB C1D2 N4X Stainless Steel
Secondary Breaker(s): (8) 20A 1P MCB C1D2 Encapsulated [250V]

Ratings/Approvals

Max Primary OCP: 30A @ 480V
Max Secondary Output: 40A @ 240V

Class I, Division 2
NRTL Certified to UL 1640 Portable Power-Distribution Equipment
Made in the USA

Special Orders - Special Requirements

Secondary Outlet(s): (8) RSTAHL 20A C1D2 Receptacle [125V]
Secondary Protection: C1D2 MCB Circuit Breakers; GFCI-MCB
Form Factor: Blue Powder Coated Steel Open Cube Skid w/ Casters
Dimensions: (*Please note that dimensions are approximate and subject to change*) 76"-L x 33.5"-W x 72"-H
Weight: (*Please note that weight is approximate and subject to change*) 1,250 lb
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.

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-214-616-6180

Fax: 1-903-765-7664

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 MPD-HW10-BS.30AB-DE15SZ-DE-8.H02-M1 from Larson Electronics is an Explosion Proof Temporary Power Distribution Station that converts three-phase 480V AC Delta electrical current to single-phase 120/240V AC. This explosion proof unit provides operators with the ability to safely tap into and distribute 480V AC Delta 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-HW10-BS.30AB-DE15SZ-DE-8.H02-M1 temporary power distribution system gives operators the ability to power their 120 volt and 240 volt equipment from a single system. On the primary side, operators connect three-phase 480 volt line-in power using a 2 foot 10/4 AWG SOOW cord terminated in a customer provided C1D2 cord cap. On the secondary side, operators may access eight explosion proof 125-amp RSTAHL 20A C1D2 receptacles.

Operation:

• Primary Voltage: 480V AC Delta 3PH

• Primary Panel: N/A

• Primary Breaker(s): (1) 30A 3P MCCB C1D2 [480V]

• Primary Outlet(s): N/A

• Transformer: 15KVA 480V to 120/240V 1PH C1D2

• Secondary Voltage: 120/240V AC 1PH

• Secondary Panel: 120/240V 1PH 40A GFCI-MCB C1D2 N4X Stainless Steel

• Secondary Breaker(s): (8) 20A 1P MCB C1D2 Encapsulated [250V]

• Secondary Outlet(s): (8) RSTAHL 20A C1D2 Receptacle [125V]

*See specification table at the top of the page for more information about the power distribution system.

Operation: A 20 foot 10/4 AWG SOOW cord and customer-provided line-in cord cap brings three-phase 480V power to the Class I, Division 1-2 primary disconnect, which contains a 30-amp C1D2 480V molded case circuit breaker, and passes power to the transformer. The explosion proof Class I, Division 2 15 KVA transformer converts three-phase 480V AC Delta to single-phase 120/240V AC and passes the current to the secondary side of the system. The secondary side of the transformer feeds a Class I, Division 2 40-amp three-phase 208Y/120V GFCI-MCB panelboard, which contains eight 1-pole 20-amp 250V C1D2 miniature circuit breakers protecting eight RSTAHL 125V 20-amp C1D2 outlets.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

Protective Construction: The transformer and load center/distribution assembly is mounted to a powder coated aluminum, dolly cart style frame, resulting in an extremely stable, durable, and mobile power distribution platform. Four casters, a dolly cart style handle, and forklift skids provide easier substation mobility, and four corner lift points 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 150KVA, and can be equipped with skids or trailer mounted.

Certification: All units are built in accordance to NFPA 70 (National Electric Code) and NRTL certified to UL 1640. All equipment is NEMA 4X rated for indoor and outdoor use and provide a degree of protection against dirt, water, and ice. NEMA 3R and NEMA 4 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 4X 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)

There are no Faqs

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Harmonized System (HS) Code: 8504.21.0040
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **ANSI Certificate 1**(https://www.larsonelectronics.com/images/product/ANSICert1/145926.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/145926.PDF)
- **Catalog Page - Product Series**(https://www.larsonelectronics.com/images/product/CatalogPage/145926.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/145926.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/145926.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/145926.PDF)
- **Certificate 5, Misc**(https://www.larsonelectronics.com/images/product/Cert5/145926.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/145926.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/145926.PDF)
- **Single Line Diagram (One-Line Diagram)**(https://www.larsonelectronics.com/images/product/Oneline/145926.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/145926.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/145926.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/145926.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/145926.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/145926.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/145926.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/145926.JPG)
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- **HigResPic10**(https://www.larsonelectronics.com/images/product/HigResPic10/145926.JPG)
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