

HAL-MPD-480V-5KVA-120.240-5X20

C1D2 Power Distribution - 5KVA - 480 to 120/240V 1PH - (2) 250V (3) 125V Outlets - 85' 12/4 Cable

Product ID: 151073

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

HAL-MPD-480V-5KVA-120.240-5X20 Explosion Proof Power Distribution

Line In: 85' #12/4 SOOW Cable

Line-in Cord Cap: - N/A

Primary Voltage: 480VAC 3PH

Primary Panel: - N/A

Primary Breakers: - N/A

Primary Receptacles: - N/A

Primary Disconnect: 480V 3PH 30A C1D1 Fused @ 15A

Primary Protection: Time Delay Fuses

Transformer: 5KVA 480 to 120/240V 1PH 60Hz C1D2

Secondary Voltage: 120/240VAC 1PH

Secondary Panel: 120/240V 1PH 50A MLO C1D1 Panel

Secondary Breakers: (2) 20A 2P [250V], (3) 20A 1P [125V]

Secondary Receptacles: (2) 20A CPS532-111 [250V], (3) 20A GFCI [125V] - C1D1 EXP Receptacles

Secondary Protection: Circuit Breakers, GFCIs, Weatherproof Covers

Form Factor: Aluminum cube frame, skid pockets, 4-corner pick eyes, locking casters

Frame Materials: Powder coated aluminum frame

Dimensions: 38"L x 30"W x 56"H

Weight: 750 pounds

Max Primary OCP: 15A @ 480V

Max PDU OCP: 15A @ 480V

Ratings/Approvals

Made in the USA

Class I, Division 2

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Max Secondary Output: 20.8A @ 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.

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 HAL-MPD-480V-5KVA-120.240-5X20 explosion proof power distribution system is designed for operators to power their single-phase 240V and 120V equipment within Class I, Division 2 rated areas. This unit provides operators the ability to safely tap into three-phase 480VAC from a variety of sources including generators and direct grid power.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION SYSTEMS OR SUBSTATIONS

The portable power distribution system gives operators the ability to power their single-phase 240 volt and 120 volt equipment from a single system. On the primary side, operators connect three-phase 480 volt line-in power via 85' of #12/4 SOOW cable. On the secondary side, operators connect to two, Class I, Division 1 explosion proof CPS532-111 receptacles for 240V equipment and to three, Class I, Division 1 explosion proof GFCI receptacles for 120V equipment. For increased reliability during operation, line-in power as well as connections between the disconnect and transformer and between the transformer and secondary panel consist of heavy-duty SOOW cords.

Operation: An 85' #12/4 SOOW line-in cable brings 480V three-phase power to the 30-amp rated Class I, Division 1 explosion proof 480V three phase primary disconnect, which is fused at 15 amps, and passes 480V single phase to the explosion proof transformer. Liquid-tite flexible cord connect the primary panel to the transformer. The Class I, Division 2 5KVA transformer converts 480V single-phase power to 120/240V single phase and passes the current to the secondary panel. Liquid-tite flexible cord connect the transformer to the secondary panel. The secondary side of the transformer feeds a 50-amp rated Class I, Division 1 explosion proof 120/240V single-phase main lug only panel. This secondary panel contains two 20-amp, 250V, 2-pole breakers protecting two 20-amp Class I, Division 1 explosion proof 250V CPS532-111 receptacles, and three 20-amp, 125V, 1-pole breakers protecting three 20-amp Class I, Division 1 explosion proof 125V GFCI receptacles.

The receptacles are mounted to an aluminum back plate for easy connection for equipment in the field. All receptacles are equipped with weatherproof covers. Operators are provided access to one Class I, Division 2 LED light and switch, which are located at the top of the cart.

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 are mounted on a non-sparking aluminum mounting platform and the load center/distribution assembly is mounted to the standard 2" x 2" square non-sparking aluminum tubing frame, resulting in an extremely stable, durable and well protected power distribution platform. This model is equipped with forklift skid pockets, non-sparking locking casters, and four top located lifting eyelets at every corner which allows easy lifting with cable or chain hooks. This can be replaced for an additional cost with stainless steel or hot dip galvanized steel depending on the customer's needs. Larger units are available upon request and can be equipped with skids or trailer mounted.

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 designed for indoor and outdoor use in hazardous location areas for shipyard, plant maintenance and construction applications.

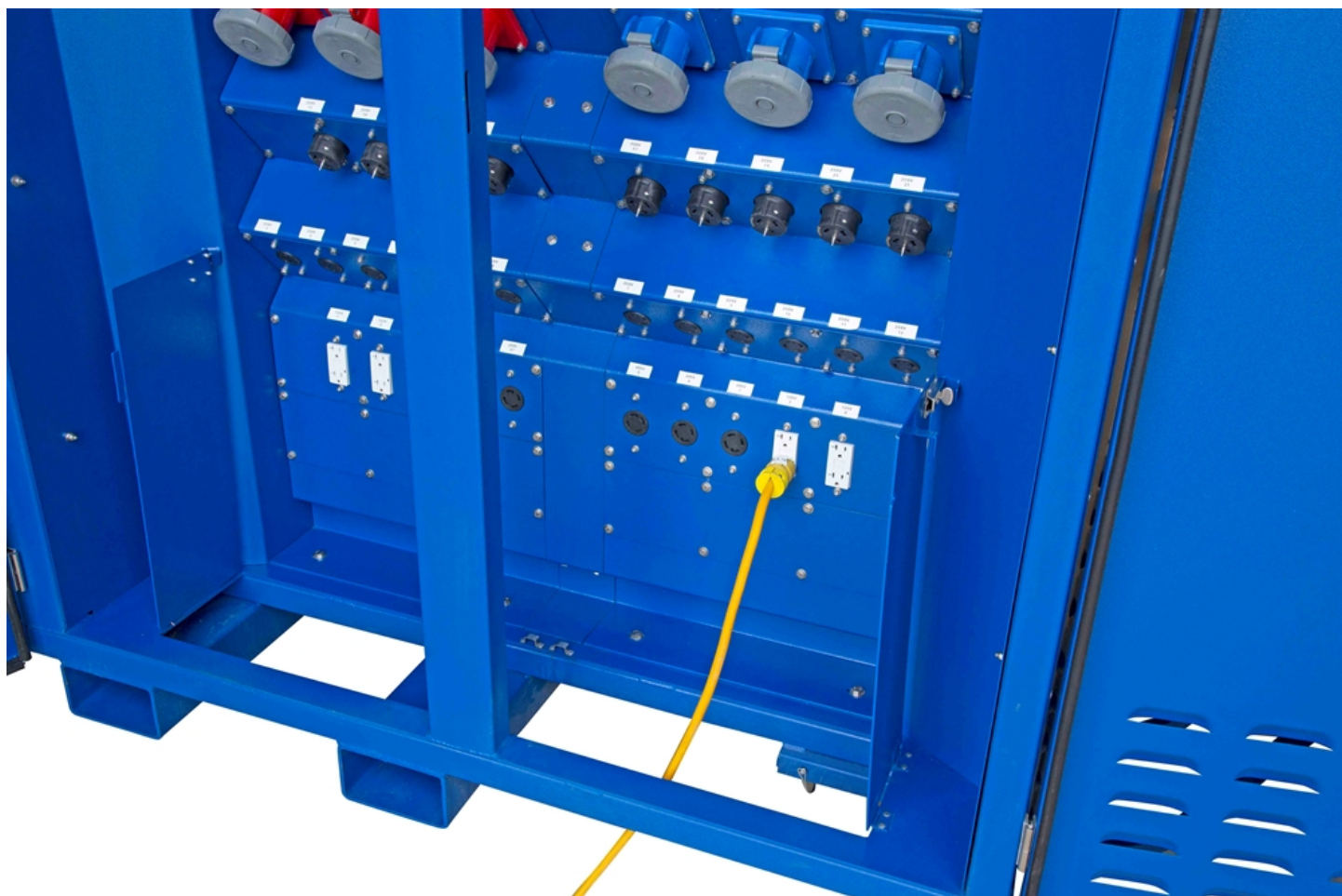
Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, we can deliver custom ordered units almost as quickly as our prebuilt units. If this unit does not meet your needs please contact 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.



Frequently Asked Questions (FAQ)









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Product ID: 151073

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](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
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- [HigResPic7](#)
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- [HigResPic9](#)
- [HigResPic10](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)