Larson Electronics LLC
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MPD-CB12-NTL.30A-SR5SP-DC-1.L05-M3

4.93 KVA Rack Mount Power Distribution - 220V to 240V 1-Phase - (1) L7-30B Inlet, (1) L6-20R Receptacle - 20' Ext. Cord - 12U ATA w/ Casters

Product ID: 276918

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-CB12-NTL.30A-SR5SP-DC-1.L05-M3 - Portable Spider Box

Line-in Extension Cord: 20' 10/3 AWG SOOW Cord
Line-in Cord Caps (Extension Cord): 30 A NEMA L7-30P and 30 A NEMA L7-30C [250 V]
Primary Inlet: 30 A NEMA L7-30B Twist Lock [250 V]
Primary Voltage (V): 220 V AC
Primary Phase (PH): 1-Phase (1PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Panel: -
Primary Breaker: 30 A Breaker on Primary Side
Primary Protection: -
Transformer (KVA): 4.93 kVA 220 V to 240 V 1-Phase
Secondary Voltage (V): 240 V AC
Secondary Phase (PH): 1-Phase (1PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: -
Secondary Breakers: (1) 20 A 1P MCB [250 V]
Secondary Outlets: (1) 20 A L6-20R NEMA Twist Lock [250 V]
Secondary Protection: MCB Circuit Breaker
Form Factor: 12U ATA Case w/ Laminated 9mm Plywood Construction and (4) Fixed 4" Casters, Recessed Twist Latches/Spring-loaded Rubber-gripped Handles

Ratings

Max Primary OCP: 30 A @ 220 V
Max Secondary Output: 20 A @ 240V
Made in the USA
NRTL Certified to UL 1640

Special Orders - Special Requirements

Contact us for special requirements

Finish: Laminated Exterior - Black
Casters: (2) Fixed/Locking Casters, (2) Fixed Casters
Dimensions: 30.5"H x 21.5"W x 25.75"D
Weight: 110.72 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.

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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-CB12-NTL.30A-SR5SP-DC-1.L05-M3 from Larson Electronics is a Rack Mount Power Distribution that converts single-phase 220 V AC electrical current to single-phase 240 V AC. This portable unit provides operators the ability to safely tap into and distribute 220 V AC power from a variety of sources including generators and direct grid power. All system components are secured to a standard 12U ATA case with four, 4" casters at the base for mobility.

The MPD-CB12-NTL.30A-SR5SP-DC-1.L05-M3 temporary power distribution unit gives operators the ability to power their 240 volt equipment from a single system. On the primary side, operators connect single-phase 220 volt line-in power using an included power extension cord to one NEMA L7-30B twist-lock inlet. On the secondary side, operators may access one NEMA L6-20R receptacle for 240 V equipment.

Operation: Included is a 20` 10/3 extension cord equipped with NEMA L7-30P and L7-30C cord caps. The L7-30C will connect to the NEMA L7-30B inlet receptacle for line-in power to the power distribution box. The L7-30P plug will plug into a receptacle on-site to power the system. When not in use, the extension cord can be stored in the cord storage section on top of the unit. The 4.93 kVA transformer converts single-phase 220 V to single-phase 240 V and passes the current to the secondary side of the system. The transformer uses a maximum of 22 amps on the input side and provides up to 20 amps available on the secondary side. The primary side is equipped with a 30-amp breaker that can be used to shut the entire system down. The secondary side has one 20-amp 1-pole 250 V main circuit breaker protecting one 20-amp NEMA L6-20R receptacle.

Protective Construction: The power distribution system is protected by a standard 12U (17" deep) ATA case with casters. This case takes on 9mm plywood construction with a laminated, black exterior. Heavy-duty plated hardware and reinforced corners provide added protection from bumps and contact during deployment or transportation around the site. The housing features 3.2mm thick front and rear rack rails, as well as tongue and grove extruded aluminum valance. Operators may access red recessed twist latches and spring-loaded rubber-gripped handles on the side of the case. There are four, 4" casters at the bottom of the base (two fixed and two fixed/locking).

This temporary power distribution solution can be modified to meet the needs of job-site receptacle requirements. Larger units are available upon request and can be equipped with skids or trailer mount.

Certification: All units are built in accordance to NFPA 70 (National Electric Code) and certified to UL 1640. NEMA 3R, 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 220 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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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**