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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
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MPD-SB16-CLP6.800A-DC0-1.T64T54.CLR6-3.T42.CLR5-R1

800A Rack Mount Power Distribution - 600V Delta, 3-Phase - (2) Sets 400A 1P 16 Series Female & (3) Sets 150A 1P 15 Series Female Camlock Outlets, (1) Set 400A 1P Male Camlock Inputs - 16U ATA Case

Product ID: 299110

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-SB16-CLP6.800A-DC0-1.T64T54.CLR6-3.T42.CLR5-R1 Rack Mount Power Distribution

Line-in Cord: -
Line-In: (1 Sets) 400A Single-pole 16-Ser. Male Camlock Receptacles [green, brown, orange, yellow] [600V]
Primary Voltage (V): 600V AC Delta
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (Hz): 60 Hz (60-cycles)
Primary Panel: 600V 3PH 800A MLO I-Line Panel N3R
Primary Breaker(s): (1) 400A 3P MCCB [600V]; (1) 200A 3P MCCB [600V]; (3) 100A 3P MCCB [600V]
Primary Outlet(s): (2 Sets) 400A Single-pole 16-Ser. Female Camlock Receptacles [green, brown, orange, yellow] [600V]; (3 Sets) 150A Single-pole 15-Ser. Female Camlock Receptacles [green, brown, orange, yellow] [600V]
Primary Protection: MCB Circuit Breakers; Flip Covers
Transformer (KVA): N/A
Secondary Voltage (V): N/A
Secondary Phase (PH): N/A
Secondary Frequency (Hz): N/A
Secondary Panel: N/A
Secondary Breaker(s): N/A
Secondary Outlet(s): N/A
Secondary Protection: N/A
Form Factor: 31" Rack mount ATA Case, Shock Mount 16RU ATA Cube w/ (2) Swivel & (2) Locking Casters

Ratings

Max Primary OCP: 800A @ 600V

Max Secondary Output: N/A

NRTL Listed to UL 508A
NRTL Listed to UL 1640
NRTL Listed to CSA C22.2 No. 14

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Frame Materials: -

Dimensions: (*Please note that dimensions are approximate and subject to change*)
24.75"-W x 38.75"-H x 28.00"-D

Weight: TBD

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.

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

Made in Texas

The MPD-SB16-CLP6.800A-DC0-1.T64T54.CLR6-3.T42.CLR5-R1 from Larson Electronics is a Rack Mount Power Distribution that is designed for stages, movie sets, concerts and entertainment sites. This mobile power distribution unit provides operators the ability to safely tap into and distribute three-phase 600V AC Delta power from a variety of sources, including generators and direct grid power, found in motion picture production.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

Operation:

• Primary Voltage: 600V AC Delta 3PH
• Primary Panel: 600V 3PH 800A MLO I-Line Panel N3R
• Primary Breaker(s): (1) 400A 3P MCCB [600V]; (1) 200A 3P MCCB [600V]; (3) 100A 3P MCCB [600V]
• Primary Outlet(s): (2 Sets) 400A Single-pole 16-Ser. Female Camlock Receptacles [green, brown, orange, yellow] [600V]; (3 Sets) 150A Single-pole 15-Ser. Female Camlock Receptacles [green, brown, orange, yellow] [600V]
• Transformer: N/A
• Secondary Voltage: N/A
• Secondary Panel: N/A
• Secondary Breaker(s): N/A
• Secondary Outlet(s): N/A

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

Portable Power Distribution Purpose and Use: The MPD-SB16-CLP6.800A-DC0-1.T64T54.CLR6-3.T42.CLR5-R1 portable power distribution system gives operators the ability to power their 600 volt equipment from a single system within live recording and entertainment venues. An accessible LCD monitor at the top of the unit allows highly visible monitoring of power usage and allocation during use. From equipment testing to live recording sets, these portable stations make power at busy production sites readily available and safe to use.

On the primary side, operators connect three-phase 600V line-in power using one set of 16 series male camlock inputs (green, brown, orange, yellow). The primary side contains two sets of 400-amp, 1-pole, 16 series female camlock receptacles (green, brown, orange, yellow) and three sets of 150-amp, 1-pole, 15 series female camlock receptacles (green, brown, orange, yellow).

Operation: One set of 400-amp 600V rated 16 series male camlock receptacles (green, brown, orange, yellow) brings three-phase 600V AC Delta to the primary side of the system. The three-phase 600V AC Delta main lug only panel on the primary side has one 400-amp 3-pole 600V molded case circuit breaker, one 200-amp 3-pole 600V molded case circuit breaker, and three 100-amp, 3-pole 600V molded case circuit breakers four 20-amp 2-pole 250V miniature circuit breakers protecting two sets of 400-amp, 1-pole, 16 series female camlock receptacles (green, brown, orange, yellow) and three sets of 150-amp, 1-pole, 15 series female camlock receptacles (green, brown, orange, yellow).

Protective Construction: All components are secured inside a compact 16" rack mount ATA case. This black case features side-located handles for mobility around the production or recording site. Four casters (two swivel and two locking) are available at the bottom of the power distribution unit, which allows operators to move the station easily without lifting. Dual locking casters ensure stable use and

safe storage when being transferred in trucks or other large vehicles. This durable case is resistant to shock and takes on a standard design that is similar with professional recording equipment. It can withstand frequent handling around live stages and loading/unloading at outdoor locations.

Certification: All units are built in accordance to NFPA 70 (National Electric Code) and NRTL 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.

Applications: This power distribution system is ideal for indoor or outdoor use and applications including but not limited to, movie sets, entertainment, television sets, stage lighting, studio recording, sporting events, rigging, audio and video production, concerts and motion picture production. 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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CAUTION
ON / OFF
CAUTION
HIGH VOLTAGE

MPD-SB16-CLP6.800A-DC0-1.T64T54.CLR6-3.T42.CLR5-R1

Product ID: 299110

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)
- Single Line Diagram (One-Line Diagram)
- 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