

MPD-SB16-CLP6.400AB-YT0-Z-4.G01-12.L08-6.N09-M1

400A Rack Mount Power Distribution - 208Y/120V, 3-phase - (22) Receptacles, Camlock Input - 16U ATA Case

Product ID: 292172

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-CLP6.400AB-YT0-Z-4.G01-12.L08-6.N09-M1 Rack Mount Power Distribution

Line-in Cord: -

Line-In: (1 Set) 400A Single-pole 16-Ser. Male Camlock Receptacles. [green, white, black, red, blue] [600V] w/ Covers

Primary Voltage (V): 208/120V AC Wye

Primary Phase (PH): 3-Phase (3PH)

Primary Frequency (Hz): 60 Hz (60-cycles)

Primary Panel: 208Y/120V 3PH 400A MLO NRTL Certified UL 508A & 1640

Primary Breakers: (4) 20A 3P MCB [250V]; (12) 20A 2P MCB [250V]; (6) 20A 1P MCB [125V]

Primary Outlets: (4) 19 Pin 6-ckt/20A Female Pnl Mnt [120/208V]; (12) L6-20R NEMA Twist-lock [208Y/120V]; (6) 5-20R NEMA T-slot DPLX GFCI [125V]

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 Breakers: N/A

Secondary Outlets: N/A

Secondary Protection: N/A

Form Factor: 31" Rack mount ATA Case, Shock Mount 16RU ATA Cube w/ (2) Swivel

Ratings

Max Primary OCP: 400A @ 208V

Max Secondary Output: -

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

& (2) Locking Casters

Frame Materials: -

Dimensions: 24.75"(W) x 38.75"(H) x 28"(D)

Weight: -

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.

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

Made in Texas

The Larson Electronics MPD-SB16-CLP6.400AB-YT0-Z-4.G01-12.L08-6.N09-M1 Rack Mount Power Distribution is a portable power solution 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 208/120V AC Wye 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

Portable Power Distribution Purpose and Use

The MPD-SB16-CLP6.400AB-YT0-Z-4.G01-12.L08-6.N09-M1 portable power distribution system gives operators the ability to power their 208 volt and 120 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 208V line-in power using one set of 16 series male camlock inputs with flip covers (blue, red, black, white and green). The primary side contains four SOCO19PF female panel mount outlets for 120/208V equipment, twelve L6-20R NEMA twist-lock receptacles for 208Y/120V equipment and six 5-20R NEMA T-slot duplex GFCI receptacles for 120V equipment. The outlets are protected by flip covers.

Operation: One set of 400-amp 600V rated 16 series male camlock receptacles (blue, red, black, white and green) brings three-phase 208/120V AC Wye to the primary side of the system. The three-phase 208/120V AC Wye main lug only panel on the primary side has four 20-amp 2-pole 250V miniature circuit breakers protecting four 20-amp 120/208V SOCO19PF female panel mount outlets, twelve 20-amp 2-pole 250V miniature circuit breakers protecting twelve 20-amp 208Y/120V L6-20R NEMA twist-lock receptacles and six 20-amp 1-pole 125V miniature circuit breakers protecting six 20-amp 5-20R 120V NEMA T-slot duplex GFCI receptacles.

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.



Frequently Asked Questions (FAQ)











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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](#)
- [MSDS \(Material Safety Data Sheet](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [Single Line Diagram \(One-Line Diagram\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
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