Larson Electronics LLC
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MPD-SB08-309.100AF-YT0-1.E38-1.E28-1.E18-1.E08-R1

100A Rack Mount Power Distribution, 208Y/120 3PH, (1) 560R9W, (1) 530R9W, (1) 520R9W, 5100B9W Inlet, 5100R9W Feed-Through Outlet

Product ID: 304392

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-SB08-309.100AF-YT0-1.E38-1.E28-1.E18-1.E08-R1 Rack Mount Power Distribution

Line In: 5100B9W IEC 60309 Pin & Sleeve Male Inlet [208Y/120V]
Line Out: 5100R9W IEC 60309 Pin & Sleeve Feed-thru Female Receptacle [208Y/120V]
Primary Voltage (V): 208Y/120V AC Wye
Primary Phase (PH): 3-phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Panel: 208Y/120V 3PH 100A MLO UL 508A & 1640
Primary Breaker(s): (1) 60A 3P MCB [250V]; (1) 30A 3P MCB [250V]; (1) 20A 3P MCB [250V]
Primary Outlet(s): (1) 560R9W IEC 60309 Pin & Sleeve [208Y/120V]; (1) 530R9W IEC 60309 Pin & Sleeve [208Y/120V]; (1) 520R9W IEC 60309 Pin & Sleeve [208Y/120V]
Primary Protection: MCB Circuit Breakers
Transformer: N/A
Secondary Voltage: N/A
Form Factor: 19" Rack mount ATA Case, Shock Mount 8RU ATA Cube w/ (2) Swivel Casters and (2) Locking Casters
Frame Materials: -
Dimensions: -
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.

Ratings

Max Primary OCP: 100A @ 208V
Secondary Primary OCP: N/A
Certified for United States & Canada
NRTL Listed to UL 1640

Special Orders - Special Requirements

Contact us for special requirements

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 MPD-SB08-309.100AF-YT0-1.E38-1.E28-1.E18-1.E08-R1 from Larson Electronics is a Rack Mount Power Distribution that 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 208Y/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*

Operation:

• Primary Voltage: 208Y/120V AC Wye 3PH
• Primary Panel: 208Y/120V 3PH 100A MLO UL 508A & 1640
• Primary Breaker(s): (1) 60A 3P MCB [250V]; (1) 30A 3P MCB [250V]; (1) 20A 3P MCB [250V]
• Primary Outlet(s): (1) 560R9W IEC 60309 Pin & Sleeve [208Y/120V]; (1) 530R9W IEC 60309 Pin & Sleeve [208Y/120V]; (1) 520R9W IEC 60309 Pin & Sleeve [208Y/120V]
• 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-SB08-309.100AF-YT0-1.E38-1.E28-1.E18-1.E08-R1 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. On the primary side, operators connect three-phase 208Y/120V AC line-in power using one 5100B9W IEC 60309 pin & sleeve male inlet. The primary side also contains one 5100R9W IEC 60309 pin & sleeve feed-thru female receptacle for line-out connections, one 560R9W IEC 60309 pin & sleeve, one 530R9W IEC 60309 pin & sleeve, and one 520R9W IEC 60309 pin & sleeve receptacles for 208Y/120V equipment.

Operation: one 5100B9W IEC 60309 pin & sleeve male inlet brings three-phase 208/120V AC Wye power to the primary side of the 100-amp mobile power distribution unit. The primary side contains one 5100R9W IEC 60309 pin & sleeve feed-thru female receptacle for line-out connections, one 560R9W IEC 60309 pin & sleeve receptacle protected by one 60-amp miniature circuit breaker, one 530R9W IEC 60309 pin & sleeve receptacle protected by one 30-amp miniature circuit breaker, and one 520R9W IEC 60309 pin & sleeve receptacle protected by one 20-amp miniature circuit breaker for 208Y/120V equipment.

Protective Construction: All components are secured inside a compact 8U 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-SB08-309.100AF-YT0-1.E38-1.E28-1.E18-1.E08-R1

Product ID: 304392

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