

**MPD-SB12-309.100AF-SZ0-L-E34-2.U5.N30-20.U2.N09-M1**

**100A Rack Mount Power Distribution, 120/240V 1PH, (2) 14-50R (20) 5-20R Duplex Outlets, NEMA 3R**

**Product ID: 327990**

**Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



Image: MPD-SB12-309.100AF-SZ0-L-E34-2.U5.N30-20.U2.N09-M1

**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-SB12-309.100AF-SZ0-L-E34-2.U5.N30-20.U2.N09-M1 Rack Mount Power Distribution**

**Line-In:** (1) 4100B12W IEC Pin & Sleeve Male Inlet [120/240V]

**Line-Out:** (1) 4100R12W IEC Pin & Sleeve Female Receptacle Feed-Thru [120/240V]

**Primary Voltage:** 120/240V AC

**Primary Phase:** 1-Phase (1PH)

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

**System Amps:** 100A

**Primary Panel:** 120/240V 1PH 100A MCCB N3R w/ Power Indicators & Meter

**Primary Breaker(s):** (2) 50A 2P GFCI-MCB [250V]; (20) 20A 1P GFCI-MCB [125V]

**Primary Outlet(s):** (2) 14-50R NEMA Receptacle [120/240V]; (20) 5-20R NEMA Duplex Receptacle [125V]

**Primary Protection:** MCCB Circuit Breaker; GFCI-MCB Circuit Breakers; Power Indicators & Meter

**Secondary Voltage:** N/A

**Secondary Breakers:** N/A

**Secondary Receptacles:** N/A

**Power Monitoring:** Power Indicator Lights, Power Meter LCD Monitor

**Form Factor:** 31" Rack mount ATA Case, Shock Mount 12RU ATA Cube w/ (2) Swivel & (2) Locking Casters

**Frame Materials:** -

**Ratings**

**Max Primary OCP:** 100A @ 240V

**Max Secondary OCP:** N/A

Certified for United States & Canada

NRTL Listed to UL 508A

NRTL Listed to UL 1640

NRTL Listed to CSA C22.2 No. 14

NEMA 3R Weatherproof

**Made in the USA**

**Special Orders - Special Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-214-616-6180

**Dimensions:** 24.5"L x 30"D x 33"H

**Weight:** 240 Lbs

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.

**Fax:** 1-903-765-7664

**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

\*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-SB12-309.100AF-SZ0-L-E34-2.U5.N30-20.U2.N09-M1 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 single-phase 120/240V AC 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-SB12-309.100AF-SZ0-L-E34-2.U5.N30-20.U2.N09-M1 portable power distribution system gives operators the ability to power their 120 volt and 240 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.

The MPD-SB12-309.100AF-SZ0-L-E34-2.U5.N30-20.U2.N09-M1 temporary power distribution system gives operators the ability to power their 120 volt and 240 volt equipment from a single system.

**Operation:**

- Primary Voltage: 120/240V AC 1PH
- Primary Panel: 120/240V 1PH 100A MCCB N3R w/ Power Indicators & Meter
- Primary Breaker(s): (2) 50A 2P GFCI-MCB [250V]; (20) 20A 1P GFCI-MCB [125V]
- Primary Outlet(s): (2) 14-50R NEMA Receptacle [120/240V]; (20) 5-20R NEMA Duplex Receptacle [125V]
- 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.

**Protective Construction:** All components are secured inside a compact 31" 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 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](mailto:sales@larsonelectronics.com) to discuss your specific requirements.



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## Frequently Asked Questions (FAQ)

There are no Fags



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**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

- **ANSI Certificate 1** ( <https://www.larsonelectronics.com/images/product/ANSICert1/327990.PDF> )
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)** ( <https://www.larsonelectronics.com/images/product/CECCert/327990.PDF> )
- **Catalog Page - Product Series** ( <https://www.larsonelectronics.com/images/product/CatalogPage/327990.PDF> )
- **CE Certificate** ( <https://www.larsonelectronics.com/images/product/CECert/327990.PDF> )
- **Certificate 1, Misc** ( <https://www.larsonelectronics.com/images/product/Cert1/327990.PDF> )
- **Certificate 2, Misc** ( <https://www.larsonelectronics.com/images/product/Cert2/327990.PDF> )
- **Certificate 5, Misc** ( <https://www.larsonelectronics.com/images/product/Cert5/327990.PDF> )
- **MSDS (Material Safety Data Sheet)** ( <https://www.larsonelectronics.com/images/product/Msds/327990.PDF> )
- **RoHS Certificate (Restriction of Hazardous Substances)** ( <https://www.larsonelectronics.com/images/product/RoHSCert/327990.PDF> )
- **Single Line Diagram (One-Line Diagram)** ( <https://www.larsonelectronics.com/images/product/Online/327990.PDF> )
- **USA NEC Certificate (Commonly referred to as UL Certificate)** ( <https://www.larsonelectronics.com/images/product/NECCert/327990.PDF> )
- **Wiring Diagram** ( <https://www.larsonelectronics.com/images/product/WiringDiagram/327990.PDF> )
- **HigResPic1** ( <https://www.larsonelectronics.com/images/product/HigResPic1/327990.JPG> )
- **HigResPic2** ( <https://www.larsonelectronics.com/images/product/HigResPic2/327990.JPG> )
- **HigResPic3** ( <https://www.larsonelectronics.com/images/product/HigResPic3/327990.JPG> )
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- **HigResPic6** ( <https://www.larsonelectronics.com/images/product/HigResPic6/327990.JPG> )
- **HigResPic7** ( <https://www.larsonelectronics.com/images/product/HigResPic7/327990.JPG> )
- **HigResPic8** ( <https://www.larsonelectronics.com/images/product/HigResPic8/327990.JPG> )
- **HigResPic9** ( <https://www.larsonelectronics.com/images/product/HigResPic9/327990.JPG> )
- **HigResPic10** ( <https://www.larsonelectronics.com/images/product/HigResPic10/327990.JPG> )
- **Video1** ( <https://www.youtube.com/watch?v=Bvil3N1fhX4> )
- **ISO 9001 Certification** ( <http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF> )
- **Business Certificate** ( <https://www.larsonelectronics.com/images/pdfdocs/w9.PDF> )
- **Shipping Time Map** ( <https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf> )