

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



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 & (2) Locking Casters

Frame Materials: -

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

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- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

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.

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.

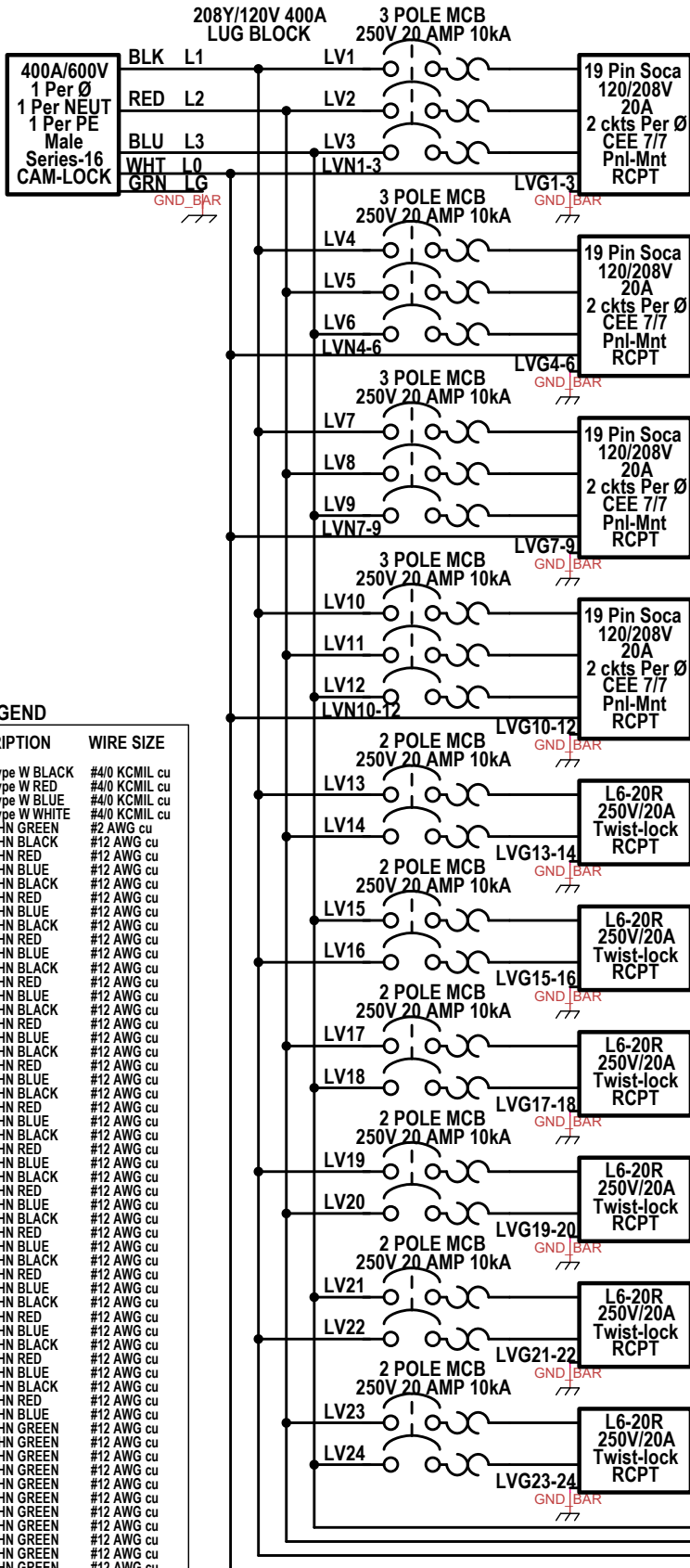
Protective Construction: All components are secured inside a compact 16" rack mount ATA case. This black case features side-located handles for mobility around the production or recording site. Four casters (two swivel and two locking) are available at the bottom of the power distribution unit, which 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.



WIRE LEGEND

ID	TYPE	DESCRIPTION	WIRE SIZE
L1	CABLE	2000V Type W BLACK	#4/0 KCMIL cu
L2	CABLE	2000V Type W RED	#4/0 KCMIL cu
L3	CABLE	2000V Type W BLUE	#4/0 KCMIL cu
L0	CABLE	2000V Type W WHITE	#4/0 KCMIL cu
LG	CABLE	600V THHN GREEN	#2 AWG cu
LV1	CABLE	600V THHN BLACK	#12 AWG cu
LV2	CABLE	600V THHN RED	#12 AWG cu
LV3	CABLE	600V THHN BLUE	#12 AWG cu
LV4	CABLE	600V THHN BLACK	#12 AWG cu
LV5	CABLE	600V THHN RED	#12 AWG cu
LV6	CABLE	600V THHN BLUE	#12 AWG cu
LV7	CABLE	600V THHN BLACK	#12 AWG cu
LV8	CABLE	600V THHN RED	#12 AWG cu
LV9	CABLE	600V THHN BLUE	#12 AWG cu
LV10	CABLE	600V THHN BLACK	#12 AWG cu
LV11	CABLE	600V THHN RED	#12 AWG cu
LV12	CABLE	600V THHN BLUE	#12 AWG cu
LV13	CABLE	600V THHN BLACK	#12 AWG cu
LV14	CABLE	600V THHN RED	#12 AWG cu
LV15	CABLE	600V THHN BLUE	#12 AWG cu
LV16	CABLE	600V THHN BLACK	#12 AWG cu
LV17	CABLE	600V THHN RED	#12 AWG cu
LV18	CABLE	600V THHN BLUE	#12 AWG cu
LV19	CABLE	600V THHN BLACK	#12 AWG cu
LV20	CABLE	600V THHN RED	#12 AWG cu
LV21	CABLE	600V THHN BLUE	#12 AWG cu
LV22	CABLE	600V THHN BLACK	#12 AWG cu
LV23	CABLE	600V THHN RED	#12 AWG cu
LV24	CABLE	600V THHN BLUE	#12 AWG cu
LV25	CABLE	600V THHN BLACK	#12 AWG cu
LV26	CABLE	600V THHN RED	#12 AWG cu
LV27	CABLE	600V THHN BLUE	#12 AWG cu
LV28	CABLE	600V THHN BLACK	#12 AWG cu
LV29	CABLE	600V THHN RED	#12 AWG cu
LV30	CABLE	600V THHN BLUE	#12 AWG cu
LV31	CABLE	600V THHN BLACK	#12 AWG cu
LV32	CABLE	600V THHN RED	#12 AWG cu
LV33	CABLE	600V THHN BLUE	#12 AWG cu
LV34	CABLE	600V THHN BLACK	#12 AWG cu
LV35	CABLE	600V THHN RED	#12 AWG cu
LV36	CABLE	600V THHN BLUE	#12 AWG cu
LV37	CABLE	600V THHN BLACK	#12 AWG cu
LV38	CABLE	600V THHN RED	#12 AWG cu
LV39	CABLE	600V THHN BLUE	#12 AWG cu
LV40	CABLE	600V THHN BLACK	#12 AWG cu
LV41	CABLE	600V THHN RED	#12 AWG cu
LV42	CABLE	600V THHN BLUE	#12 AWG cu
LVG1-3	CABLE	600V THHN GREEN	#12 AWG cu
LVG4-6	CABLE	600V THHN GREEN	#12 AWG cu
LVG7-9	CABLE	600V THHN GREEN	#12 AWG cu
LVG10-12	CABLE	600V THHN GREEN	#12 AWG cu
LVG13-14	CABLE	600V THHN GREEN	#12 AWG cu
LVG15-16	CABLE	600V THHN GREEN	#12 AWG cu
LVG17-18	CABLE	600V THHN GREEN	#12 AWG cu
LVG19-20	CABLE	600V THHN GREEN	#12 AWG cu
LVG21-22	CABLE	600V THHN GREEN	#12 AWG cu
LVG23-24	CABLE	600V THHN GREEN	#12 AWG cu
LVG25-26	CABLE	600V THHN GREEN	#12 AWG cu
LVG27-28	CABLE	600V THHN GREEN	#12 AWG cu
LVG29-30	CABLE	600V THHN GREEN	#12 AWG cu
LVG31-32	CABLE	600V THHN GREEN	#12 AWG cu
LVG33-34	CABLE	600V THHN GREEN	#12 AWG cu
LVG35-36	CABLE	600V THHN GREEN	#12 AWG cu
LVG37	CABLE	600V THHN GREEN	#12 AWG cu
LVG38	CABLE	600V THHN GREEN	#12 AWG cu
LVG39	CABLE	600V THHN GREEN	#12 AWG cu
LVG40	CABLE	600V THHN GREEN	#12 AWG cu
LVG41	CABLE	600V THHN GREEN	#12 AWG cu
LVG42	CABLE	600V THHN GREEN	#12 AWG cu
LVN1-3	CABLE	600V THHN WHITE	#12 AWG cu
LVN4-6	CABLE	600V THHN WHITE	#12 AWG cu
LVN7-9	CABLE	600V THHN WHITE	#12 AWG cu
LVN10-12	CABLE	600V THHN WHITE	#12 AWG cu
LVN37	CABLE	600V THHN WHITE	#12 AWG cu
LVN38	CABLE	600V THHN WHITE	#12 AWG cu
LVN39	CABLE	600V THHN WHITE	#12 AWG cu
LVN40	CABLE	600V THHN WHITE	#12 AWG cu
LVN41	CABLE	600V THHN WHITE	#12 AWG cu
LVN42	CABLE	600V THHN WHITE	#12 AWG cu

Title MPD-SB16-CLP6.400AB-YT0-Z-4.G01-12.L08-6.N09-M1			
Author David Downs			
File JV 400A 3PH MLO 4x19Pin 12xL6-20R 6x5-20R I		Document	
Revision 1.0	Date 01/31/2023	Sheets 1 of 2	











Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: MGL, MPD, MGS, WAL Series
Description: Power Distribution Systems

Evaluated Listings:

ETL: UL 1640 - NEC / United States standards

ETL: CAN/CSA-C22.2 No. 14 – CEC / Canada standards

The MGL, MPD, MGS, WAL Series are certified to NEC and CEC standards for power distribution systems. These units are constructed using individual components certified to NEC and CEC standards, and are built to UL 1640 and CAN/CSA C22.2 No 14.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX
Date of issue: September 11, 2019

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the statements(s) as listed:

Model: MGL, MPD, MGS, WAL Series
Description: Power Distribution Systems

The MGL, MPD, MGS, WAL Series from Larson Electronics LLC utilize components certified to NEC and CEC standards. Larson Electronics LLC specifies wiring device standard designations (e.g. NEMA 5-20R, NEMA L6-30R, CS8265C) in the electrical diagrams and spec sheet of each product. Unless specified, the brands of components used, which may vary based on availability at the time of build, include but are not limited to: Hubbell, Leviton, Molex, Daniel Woodhead, Legrand, Eaton, Thomas & Betts, Russel Stroll, Meltric, Mennekes, ABB Group, Emerson, Appleton, Crouse Hinds, Killark, R.Stahl, or other certified equipment manufacturers.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager



Material Safety Data Sheet

To Whom It May Concern,

Larson Electronics LLC MGL, MPD, MGS, WAL Series industrial line of portable power distribution systems are considered “ARTICLES” under 29 CFR 1910-1200, the OSHA Hazard Communication Standard, and do not require a Material Safety Data Sheet (MSDS).

Articles are specifically exempt from the regulations of this standard. OSHA defines an article as follows:

1910-1200(c) – Article means a manufactured item other than a fluid or particle:

- i. Which is formed to a specific shape or design during manufacture;
- ii. Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and
- iii. Which under normal conditions does not release more than very small quantities.

Regards,

Ray Smith
Larson Electronics, LLC.

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Product Description

Title: STAGE & STUDIO PORTABLE WIRING COMPARTMENTS

Company: LARSON ELECTRONICS LLC - Kemp, TX USA

Product Information: Power Distribution System, Model Nos. MGL, MPD, MGS, WAL series; Followed by AAK-PBB.FFF-SCC.GGG-EEXCCC.DDD; Where AA = 2,3,5,7,9,15,20,25,30,45,50,75; BB = 1P, 3P; FFF = 480,240,208,120; CC = 1P,3P; GGG = 480,240,208,120; EE = # of outlets; CCC = voltage; DDD = outlet amperage.

Evaluated to the following: A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Stage & Studio Portable Wiring Compartments (UL-1640) and are identified with the ETL Listed Mark.

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Product Description

Title: INDUSTRIAL CONTROL EQUIPMENT

Company: LARSON ELECTRONICS LLC - Kemp, TX USA

Product Information: Industrial Control Panels For General Use.

Power Distribution System, Model Nos. MGL, MPD, MGS series; Followed by AAK-PBB.FFF-SCC.GGG-EEXCCC.DDD; Where AA = 2,3,5,7,9,15,20,25,30,45,50,75; BB = 1P, 3P; FFF = 480,240,208,120; CC = 1P,3P; GGG = 480,240,208,120; EE = # of outlets; CCC = voltage; DDD = outlet amperage.

Evaluated to the following: A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Industrial Control Equipment (CAN/CSA-C22.2 No. 14) and are identified with the cETL Listed Mark.

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Contact Us

ETL listed products that are in doubt or for products that do not appear in the directory, please request a verification of certification.

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Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: MGL, MPD, MGS, WAL Series
Description: Power Distribution Systems

The MGL, MPD, MGS, WAL series complies with the below standards set forth by the listed Association's requirements. Purchased and manufactured components are evaluated to Larson Electronics LLC Quality Control Management system per ISO 9001:2015. This certification applies to all specimens manufactured in accordance to the manufacture's drawings.

Evaluated Standards:

AISC: Structural steel skid design

NFPA 70: National Electrical Code

ASTM A36: Standard Specification for Carbon Structural Steel

ASTM A123: Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products

ASTM A153: Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware

ASTM A489: Standard Specification for Carbon Steel Lifting Eyes

ASTM A502: Standard Specification for Rivets, Steel, Structural

ASTM A563: Standard Specification for Carbon and Alloy Steel Nuts

ASTM A500: Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes

ASTM B172: Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors

ASTM D7803: Standard Practice for Preparation of Zinc (Hot-Dip Galvanized) Coated Iron and Steel Product and Hardware Surfaces for Powder Coating

SAE J429: Mechanical and Material Requirements for Externally Threaded Fasteners

AWS D1.1: Structural Welding – Steel

ICEA S-58-679: Standard for Control, Instrumentation and Thermocouple Extension Conductor Identification

ICEA S-75-381: Portable and Power Feeder Cables for Use in Mines and Similar Applications

NEMA OFP 1-2017: Protection of Receptacle Outlets in Wet Locations According to the National Electrical Code



NEMA PB 1-2011: Panelboards

NEMA ST 20-2014: Dry Type Transformers for General Applications

NEMA WD 1-1999 (R2015): General Color Requirements for Wiring Devices

ANSI C80.1-2015: American National Standard for Electric Rigid Steel Conduit

ANSI C119.4-2016: American National Standard for Electric Connectors

ANSI Z535.4-2011: American National Standard for Product Safety Signs and Labels

ANSI/IEC 60529-2004 (R2011): American National Standard for Degrees of Protection
Provided by Enclosures (IP Code)

Signed for and on behalf of: Larson Electronics, LLC

Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas

Position: Operations Manager



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: MGL, MPD, MGS, WAL Series
Description: Power Distribution Systems

Evaluated Listings:

CE: DIRECTIVE 2014/35/EU - LOW VOLTAGE DIRECTIVE
CE: DIRECTIVE 2014/30/EU - EMC DIRECTIVE
CE: Regulation (EC) No 1907/2006 - REACH REGULATION
CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

The MGL, MPD, MGS, WAL series complies with the essential protection requirements of the European Parliament of the Council Directive for Low Voltage Directive, EMC Directive, REACH Regulation, and RoHS Directive. This certification applies to all specimens manufactured in accordance to the manufacture's drawings.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: MGL, MPD, MGS, WAL Series
Description: Power Distribution Systems

Evaluated Listings:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION
CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

This is to certify that products offered by Larson Electronics LLC comply with the Reduction of Hazardous Substances (RoHS) directives. Directive 2002/95/EC became effective on 1 July 2006. It restricts the use of six substances in the manufacture of electrical and electronic equipment. This directive was revised in June 2011 and is now referred to as directive 2011/65/EU. Directive 2015/863/EU amending Annex II to Directive 2011/65/EU announced plans to add four substances from 22 July 2019.

We hereby certify that the equipment specified above conforms to the Directive(s) by containing less of the restricted substances than the stated limits.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: MGL, MPD, MGS, WAL Series
Description: Power Distribution Systems

Evaluated Listings:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION

This letter establishes the opinion of Larson Electronics LLC regarding the status, under the current European Union ("EU") Regulations on Registration, Evaluation, Authorization, and Restriction of Chemical Substances ("REACH").

REACH does not apply to manufactured products which are referred to as "completed articles". Substances (chemicals) are subject to REACH registration, NOT products.

In addition, Articles are exempt from the REACH requirements if (a) the Article does not contain a substance of very high concern or candidate substance in an amount exceeding 0.1% weight by weight, and (b) if substances present in the Article in excess of 1 ton per year per importer are not expected nor intended to be released.

Based on communication with our raw material suppliers, we conclude that to the best of our knowledge our products requiring REACH compliance do not contain any of the currently listed SVHC in concentrations of 0.1% or above.

Accordingly, we foresee no registration or pre-registration requirement for the products we supply.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature:

Name: James Thomas
Position: Operations Manager

Frequently Asked Questions (FAQ)