Larson Electronics LLC
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MPD-CD1-BSB-SL15SP-EZ-3.N10-1.N20-M1

15 KVA Portable Distribution System - 380V-120/240V 1PH - (2) 6-50R & (3) 5-20R Duplex - 10' Line-In

Product ID: 272790



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-CD1-BSB-SL15SP-EZ-3.N10-1.N20-M1 -Temporary Power Distribution System

Line-in Cord: 10' #8/3 AWG TYPE SOOW Cord
Line-in Cord Cap: Not Included - Requires Minimum Use Device 50A @ [380V] (**Customer Provided**)
Primary Voltage (V): 380V AC
Primary Phase (PH): 1-Phase (1PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Breaker: (1) 50A 3P MCCB [380V]
Primary Protection: MCCB Circuit Breakers
Transformer (KVA): 15KVA 380V to 120/240V 1PH N3R
Secondary Voltage (V): 1-phase 120/240V AC
Secondary Phase (PH): 1-Phase (1PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: 120/240V 1PH 62.5A MLO N3R
Secondary Breakers: (2) 50A 2P MCB [250V]; (3) 20A 1P MCB [125V]
Secondary Outlets: (2) 6-50R NEMA Straight-blade [250V]; (3) 5-20R NEMA GFCI DPLX [125V]
Secondary Protection: MCB Circuit Breakers
Form Factor: Powder Coated Steel MGL Cart w/ Run Flat Tires
Front Cover: Weatherproof Lid w/ Front-located Handle and Lock
Cover Locking Position: Upward w/ Internal Locks on Both Sides of the Lid
Vibration Isolators: Transformer and Breakers
Drain Plug: Panel
Cart Material: Steel
Cart Finish: High-strength TGIC Polyester Powder Coated Blue
Cart Handle Orientation: Horizontal

Ratings

Max Primary OCP: 50A @ 380V
Max Secondary Output: 62.5A @ 240V
NEMA 3R Indoor or Outdoor Use
NEMA 3R In-Use Weather Shield
Made in the USA
NRTL Certified to UL 1640
NRTL Certified to CSA C22.2 No. 14

Powder Coat Finish Standards:

Complies with ASTM D-523
Complies with ASTM D-3359
Complies with ASTM D-522
Complies with ASTM D-3363
Complies with ASTM D-2794

Special Orders- Requirements

Contact us for special requirements

Lifting Eyelet: (1) Center Point

No-flat Tires: (2) Black

Dimensions: 41"-W x 30"-D x 66.5"-H

Weight: 350 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.

Phone: 1-214-616-6180

Toll Free: 1-800-369-6671

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-CD1-BSB-SL15SP-EZ-3.N10-1.N20-M1 temporary power distribution sys converts single phase 380V AC electrical current into single phase 120/240V AC. This unit provides operators the ability to safely tap into and distribute 380V AC power from a variety of sources inclu generators and direct grid power.

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

The MPD-CD1-BSB-SL15SP-EZ-3.N10-1.N20-M1 temporary power distribution system gives operators the abilit power their 120 volt equipment from a single system.

Operation:

- Primary Voltage: 1-phase 380V AC
- Primary Receptacles: N/A
- Transformer: 15KVA 380V to 120/240V 1PH N3R
- Secondary Voltage: 1-phase 120/240V AC
- Secondary Receptacles: (2) 6-50R NEMA Straight-blade [250V]; (3) 5-20R NEMA GFCI DPLX [125V]

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

Protective Construction: A weatherproof flip cover at the front of the unit can be lifted upwards via an access handle, which serves as protection for (primary and secondary) breakers and receptacles in rugged environmer deployed at the site. Operators may access locks on the door and on the ears (accessible from the inside of the the panel. The panel can be positioned upwards and locked in place for easy access to receptacles and breakers drain plug on the panel helps the power distribution system achieve a NEMA 3R rating, allowing the unit to be u both indoor and outdoor locations.

The transformer is protected by vibration isolators that reduce damage to exterior jacket of wiring components decrease noise during operation. In MGL-style power distribution systems, the presence of vibration isolators en wiring between the transformer and panel is well protected and does not have to be frequently replaced. Vibrat isolators can also be found on the breakers, which protect the breakers from damage, prevent loose bolts/nuts reduce overall noise during use in the field.

The power distribution system is constructed of steel with a polyester powder coated blue finish for durability ag dirt, moisture and mild corrosion. This special coating creates a high-strength barrier for protection from accide bumps and scratches. The TGIC polyester powder coat finish offers reliable resistance against chemicals, UV lig light) and degrading elements in outdoor locations. Our powder coating solution ensures robust color retention many years without fading. Custom colors, such as black, grey, desert tan or forest green, and galvanized finish available upon request. Non-standard powder coat colors or galvanized finishes may increase price and lead tim

The transformer and load center/distribution assembly is mounted to a standard steel cart style frame resulting extremely stable, durable, and mobile power distribution platform. Two rubber tires and a cart style mounting p provides easier substation mobility, and a center point lift eye allows easy lifting with cable or chain hooks. This temporary power distribution solution can be modified to meet the needs of job-site receptacle requirements. L units are available upon request and can be equipped with skids or trailer mounted.

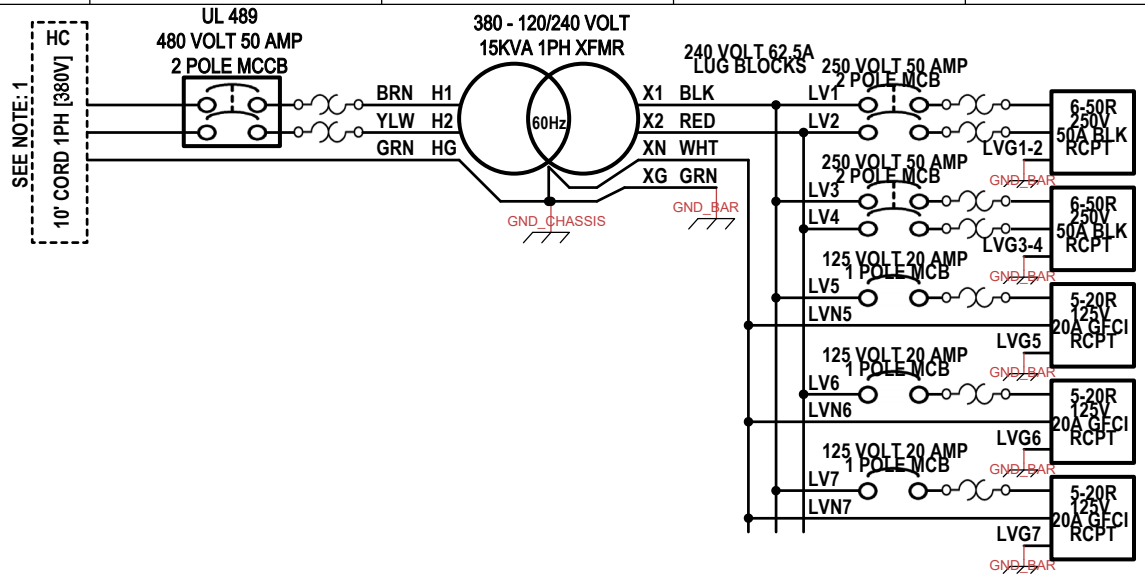
Certification: All units are built in accordance to NFPA 70 (National Electric Code) and certified to UL 1640. All equipment is NEMA 3R rated for indoor and outdoor use and provide a degree of protection against dirt, water, NEMA 4 and NEMA 4X equipment can be equipped upon request.

Grounding: Transformer is grounded to the frame and we provide a grounding lug on the frame for the earth g ~Please check all motor loads for dual rated motors that will work 208 or 240.~

Applications: This power distribution system is ideal for indoor or outdoor use and applications including but n limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. T power distribution systems are popularly used in applications where external power sources are often necessary 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 distr systems to your specifications. Although we carry several models of portable power distribution systems in stoc 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
HC	CORD	600V TYPE SOOW	#8/3 AWG cu
H1	CABLE	600V THHN BROWN	#8 AWG cu
H2	CABLE	600V THHN YELLOW	#8 AWG cu
HG	CABLE	600V THHN GREEN	#10 AWG cu
X1	CABLE	600V THHN BLACK	#6 AWG cu
X2	CABLE	600V THHN RED	#6 AWG cu
XG	CABLE	600V THHN GREEN	#10 AWG cu
XN	CABLE	600V THHN WHITE	#6 AWG cu
LV1	CABLE	600V THHN BLACK	#8 AWG cu
LV2	CABLE	600V THHN RED	#8 AWG cu
LV3	CABLE	600V THHN BLACK	#8 AWG cu
LV4	CABLE	600V THHN RED	#8 AWG cu
LV5	CABLE	600V THHN BLACK	#12 AWG cu
LV6	CABLE	600V THHN RED	#12 AWG cu
LV7	CABLE	600V THHN BLACK	#12 AWG cu
LVG1-2	CABLE	600V THHN GREEN	#10 AWG cu
LVG3-4	CABLE	600V THHN GREEN	#10 AWG cu
LVG5	CABLE	600V THHN GREEN	#12 AWG cu
LVG6	CABLE	600V THHN GREEN	#12 AWG cu
LVG7	CABLE	600V THHN GREEN	#12 AWG cu
LVN5	CABLE	600V THHN WHITE	#12 AWG cu
LVN6	CABLE	600V THHN WHITE	#12 AWG cu
LVN7	CABLE	600V THHN WHITE	#12 AWG cu

USER NOTES:

1) USE MINIMUM 480V 40A 1PH PLUG or OTHER POWER SOURCE

Title: MPD-CD1-BSB-SL15SP-EZ-3.N10-1.N20-M1		
Author: David Downs		
File: 1PH 15KVA 120-240V 62.5A 1PH MLO 2xN650R		Document
Revision: 1.0	Date: 11/12/2020	Sheets: 1 of 1




GROUND PER
NEC 250
CAUTION
ON / OFF




1
3
WET LOCATION ONLY WHEN
COVER CLOSED
5
7

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

LARSON ELECTRONICS LLC • 9419 E US HWY 175 • KEMP, TX 75143
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<- Back

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.

<- Back

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<- Back

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.

<- Back

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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