Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MGL-25K-6X30.120-1X60.240-ATS

25KVA Portable Power Distribution w/ 100A 120/240V ATS - 480Vx240V to 120/240V 1PH - (1) 460R12W (6) L5-30R - N3R

Product ID: 105944



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.

This unit is Made In USA - Manufactured in Texas

MGL-25K-6X30.120-1X60.240-ATS Temporary Power Distribution System

Primary Voltage 1: 480 Volt 3P via 10' #6 Type W
Primary Voltage 2: 240 Volt 1P via 10' #4 Type W
Primary Voltage Management: Automatic Transfer Switch
Transformer: 25KVA NEMA 3R
Secondary Panel:120/240V, 3P, 100A Shunt Trip Main Breaker, NEMA 3R
Secondary Breakers:(6) 30A 120V
Secondary Outlets: (6) L5-30 w/ hinged waterproof covers
Secondary Breakers: (1) 60A 240V
Secondary Outlets: (1) HBL460R7W with cover

Form Factor: Steel dolly cart frame w/ run-flat tires

Frame Finish: Powder Coated
Dimensions: 40"-W x 40"-D x 48"-H
Weight: 250 lbs

Primary OCP: 30A @ 480V

Secondary OCP: 60A @ 240V

Larson Electronics manufacture 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

UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor or Outdoor Use
Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

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

This unit is Made In USA - Manufactured in Texas

This MGL-25K-6X30.130-1X60.240-ATS power distribution system is designed to accommodate two different types of power source scenarios.

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Sometimes contractors go to one worksite and have access to single phase 220/240V power. This system will enable them to run grinders on 120V and larger equipment on 220V. Other times, they only have access to 480V three phase power. This power distribution system will enable them to run their grinders and larger equipment on 240V three phase. So we designed this system to accommodate either scenario with a built in automatic transfer switch (ATS).

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

The automatic transfer switch sits between the transformer and the secondary panel. When it detects power coming from the transformer, it ensures the line-in cable dedicated for 240/220V service is not energized. When the line-in cable for 240/220V is energized, the ATS will cut off power from the 480V transformer. In either scenario, the customer can access the 120V L5-30 outlets and the 60-amp 240V outlet provided.

In the event that the 10-foot number 4 Type-W line-in cable for the 220/240V single phase is energized, the secondary panel passes that single phase power to the 60-amp breaker and the Hubbell HBL460R12W receptacle. It also energizes the six 120V L5-30 receptacles with hinged weatherproof covers.

In the event the transformer is passing three phase 120/240V to the secondary panel, the 60-amp three phase 240V Hubbell HBL460R7W and the six 120V L5-30 receptacles will be energized. In this scenario, the ATS will cut off power to the single phase line-in cable, so electrical hazards are eliminated.



Click Photo to Enlarge

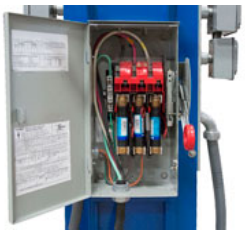


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Click Photo to Enlarge







Description:

When dealing with a 480V primary power source, a #6 Type W cable (10-foot) brings 480V power to a 60-amp NEMA 3R fused disconnect. The disconnect protects the 480V-120/240V three phase, potted NEMA 3R transformer.

Power passes from the transformer through the automatic transfer switch to the 100-amp main breaker NEMA 3R secondary panel. The secondary panel is set up with a shunt trip main breaker and feed through buss. The secondary panel contains a 60-amp breaker protecting a HBL460R7W receptacle (with cover) for 240V three phase applications; six 30-amp, 120V breakers protecting six L5-30 outlets with hinged covers; and a 2 pole, 60-amp breaker protecting a Hubbell HBL460R12W receptacle with cover for single phase 240V applications.

When dealing with a 240V primary power source, a #4 Type W cable (10-foot) brings 240V power to the automatic transfer switch. When energized, the ATS passes the 240V power to the same 100-amp main breaker NEMA 3R secondary panel described above, energizing the six L5-30 outlets and a 60-amp Hubbell HBL460R12W receptacle.

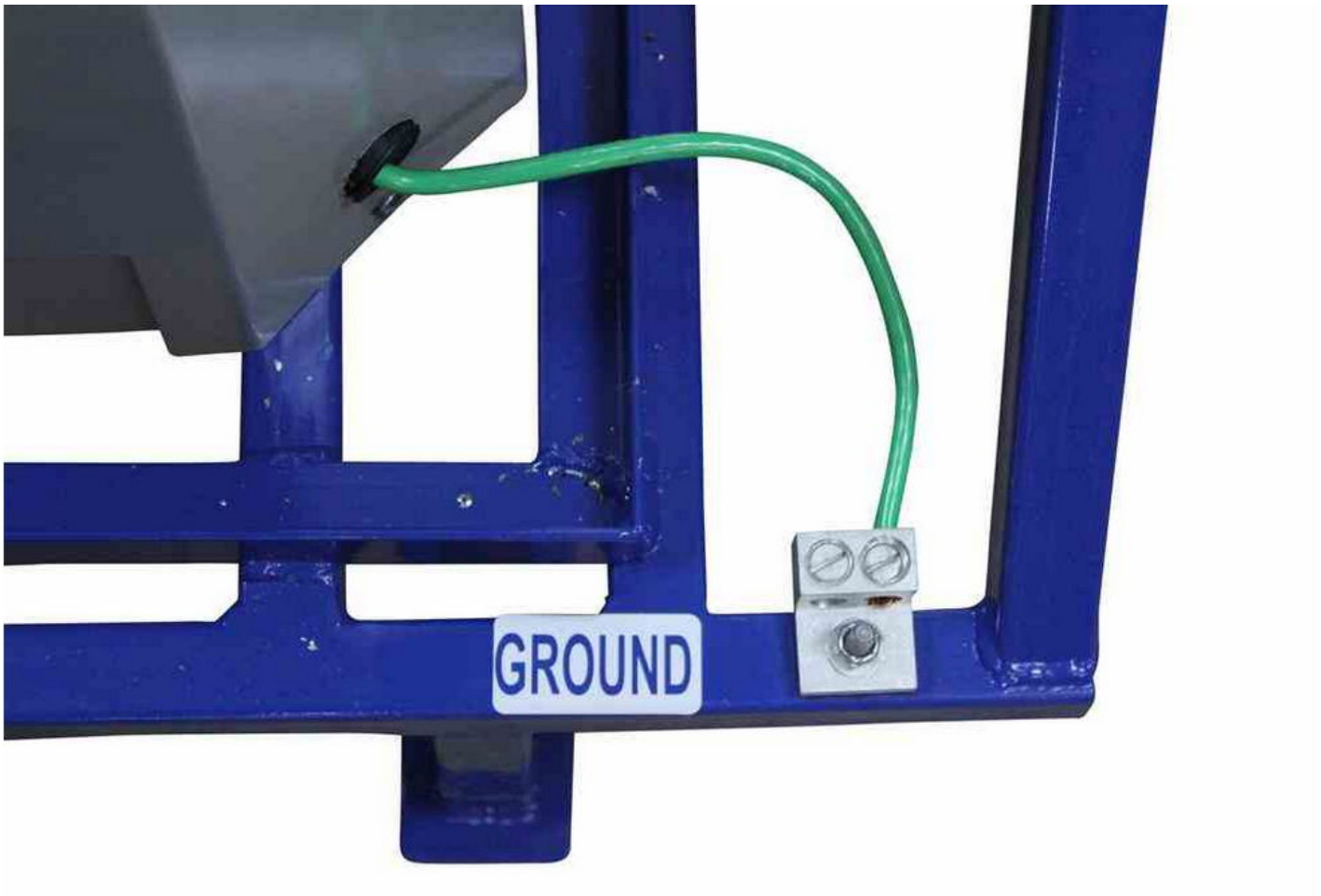
The NEMA 3R potted transformer and load center/distribution assembly is mounted to a standard steel, cart style frame resulting in an extremely stable,

durable, and mobile power distribution platform. Two rubber tires and a cart style mounting platform 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. Other configurations are available and can be equipped in skid or trailer mount form factors.
This power distribution system conforms to UL 1640.

Applications:
This power distribution system is NEMA 3R rated and ideal for indoor/outdoor use and applications including but not limited to; construction sites, plant maintenance, plant turnarounds, shows, exhibits and shipyard operations.
Larson Electronics is a manufacturer and as such can build portable transformer systems to your specifications. Although we carry several models of power distribution transformers, 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.




SIEMENS
ON
OFF
CAUTION
480 VOLTS


GROUND



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

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p: 1-800-369-6671 • intl: 903-498-3363 • f: 903-498-3364 • sales@larsonelectronics.com

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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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Frequently Asked Questions (FAQ)