Larson Electronics LLC
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MPD-CD1-309.60AB-DE30SZ-GZ-6.L08-1.L05-9.N10-M1

30 KVA Portable Transformer, 480V 3PH - 120/240V 1PH, (6) L6-20R (1) L5-30R (9) 5-20R GFCI Duplex Outlets, 25' 6/4 SOOW Line-in w/ 460P7W, NEMA 3R

Product ID: 316546

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



Image: MPD-CD1-309.60AB-DE30SZ-GZ-6.L08-1.L05-9.N10-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-CD1-309.60AB-DE30SZ-GZ-6.L08-1.L05-9.N10-M1 - Temporary Power Distribution System

Line-in Cord: 25' #6/4 AWG SOOW Cord [600V]
Line-in Cord Cap: 460P7W IEC 60309 60A 3PH Pin & Sleeve Plug [480V]
Primary Voltage (V): 480V AC Delta
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Panel: N/A
Primary Breaker(s): (1) 60A 3P MCCB [480V]
Primary Outlet(s): N/A
Primary Protection: MCCB Circuit Breaker
Transformer (KVA): 30KVA 480V to 120/240V 1PH N3R
Secondary Voltage (V): 120/240V AC
Secondary Phase (PH): 1-Phase (1PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: 120/240V 1PH 125A MLO Hinged SS N4X
Secondary Breaker(s): (6) 20A 2P MCB [250V]; (1) 30A 1P MCB [125V]; (9) 20A 1P MCB [125V]
Secondary Outlet(s): (6) L6-20R NEMA Twist-Lock Receptacle [250V]; (1) L5-30R NEMA Twist-Lock Receptacle [125V]; (9) 5-20R NEMA DUPLX-GFCI [125V]
Secondary Protection: MCB Circuit Breakers; GFCI's

Ratings

Max Primary OCP: 60A @ 480V
Max Secondary Output: 125A @ 240V
NEMA 3R Indoor or Outdoor Use
NEMA 4X SS Panels
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

Form Factor: Blue Powder Coated MGL Dolly Cart w/ Casters
Front Cover: Weatherproof Left Hinged Door w/ Handle and Lock
Cover Locking Position: Right Side Door w/ Internal Lock
Vibration Isolators: Transformer and Breakers
Drain Plug: Panel
Cart Material: Steel
Cart Finish: High-Strength TGIC Polyester Powder Coated Blue
Cart Handle Orientation: Horizontal
Lifting Eyelet: (1) Center Point
Wheels: (2) Runflat Inflatable Tires [Rear] & (2) Swivel Casters [Front]
Dimensions: (*Please note that dimensions are approximate and subject to change*) 41"-W x 30"-D x 66.5"-H
Weight: (*Please note that weight is approximate and subject to change*) 850 lb
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.

Special Orders - Special Requirements
Contact us for special requirements
Intl: 1-214-616-6180
Toll Free: 1-800-369-6671
Fax: 1-903-765-7664
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-CD1-309.60AB-DE30SZ-GZ-6.L08-1.L05-9.N10-M1 from Larson Electronics is a Temporary Power Distribution System that converts three-phase 480V AC Delta electrical current into single-phase 120/240V AC. This unit provides operators the ability to safely tap into and distribute 480V AC power from a variety of sources including generators and direct grid power.

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

The MPD-CD1-309.60AB-DE30SZ-GZ-6.L08-1.L05-9.N10-M1 temporary power distribution system gives operators the ability to power their 240 volt and 120 volt equipment from a single system.

Operation:

• Primary Voltage: 480V AC Delta 3PH

• Primary Panel: N/A

• Primary Breaker(s): (1) 60A 3P MCCB [480V]

• Primary Outlet(s): N/A

• Transformer: 30KVA 480V to 120/240V 1PH N3R

• Secondary Voltage: 120/240V AC 1PH

• Secondary Panel: 120/240V 1PH 125A MLO Hinged SS N4X

• Secondary Breaker(s): (6) 20A 2P MCB [250V]; (1) 30A 1P MCB [125V]; (9) 20A 1P MCB [125V]

• Secondary Outlet(s): (6) L6-20R NEMA Twist-Lock Receptacle [250V]; (1) L5-30R NEMA

Twist-Lock Receptacle [125V]; (9) 5-20R NEMA DUPLX-GFCI [125V]

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

Protective Construction: A stainless steel weatherproof left hinged door on the front of the unit can be opened via an accessible handle, which serves as protection for (primary and secondary) breakers and receptacles in rugged environments when deployed at the site. Operators may access internal locks on the right side door of the panel. The panel can be opened by handle for easy access to receptacles and breakers.

The transformer is protected by vibration isolators that reduce damage to exterior jacket of wiring components and decrease noise during operation. In MGL-style power distribution systems, the presence of vibration isolators ensures wiring between the transformer and panel is well protected and does not have to be frequently replaced. Vibration isolators can also be found on the breakers, which protect the breakers from damage, prevent loose bolts/nuts and 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 against dirt, moisture, and mild corrosion. This special coating creates a high-strength barrier for protection from accidental bumps and scratches. The TGIC polyester powder coat finish offers reliable resistance against chemicals, UV light (sun light), and degrading elements in outdoor locations. Our powder coating solution ensures robust color retention for many years without fading. Custom colors, such as black, grey, desert tan, or forest green, and galvanized finishes are available upon request. Non-standard powder coat colors or galvanized finishes may increase price and lead times.

The 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 rotating urethane casters in the front and two inflatable run-flat tires in the rear on this 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. Larger 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, and ice. 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 ground.
~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 not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. 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)

There are no Faqs

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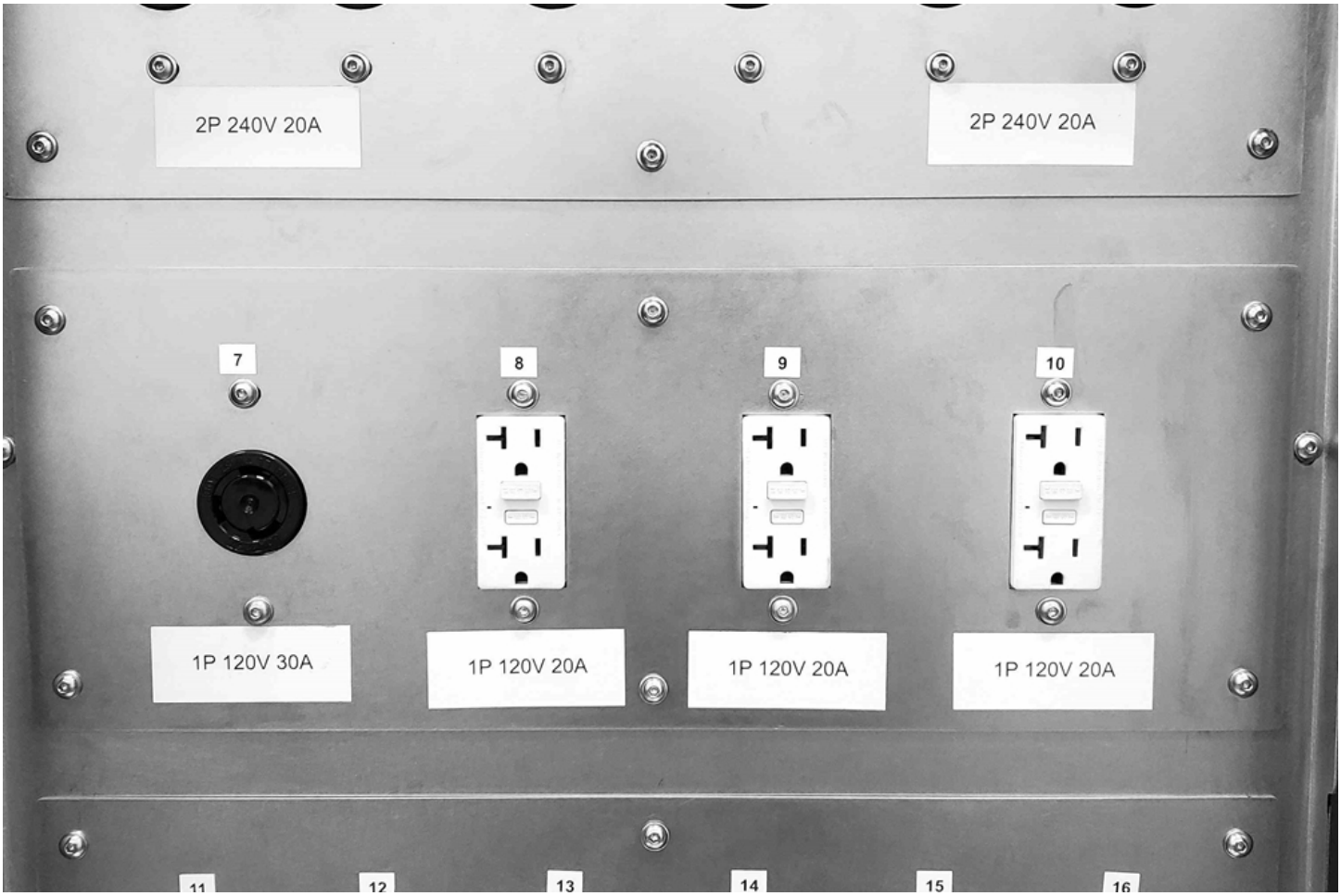


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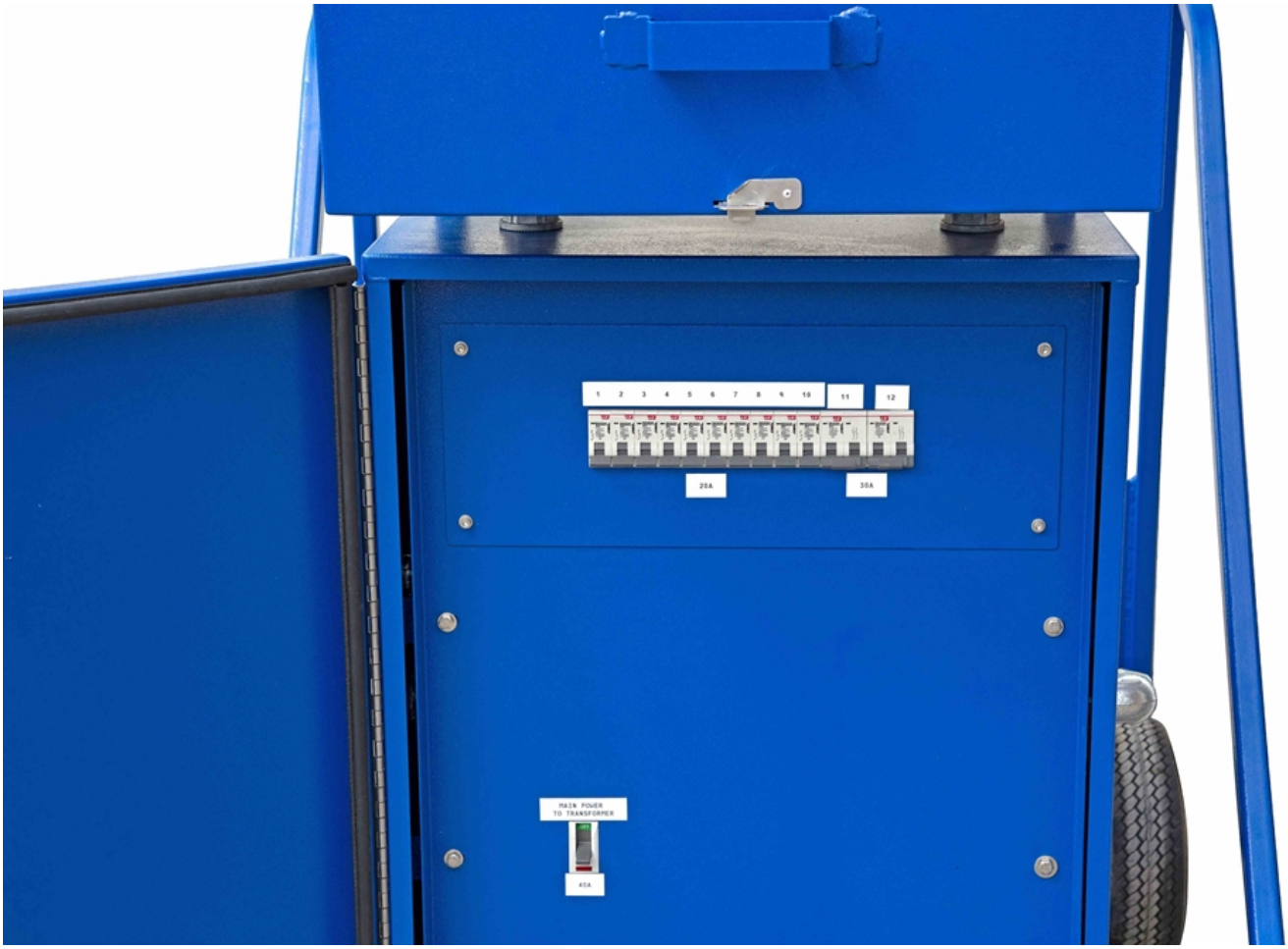


Image: MPD-CD1-309.60AB-DE30SZ-GZ-6.L08-1.L05-9.N10-M1



Image: MPD-CD1-309.60AB-DE30SZ-GZ-6.L08-1.L05-9.N10-M1

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **ANSI Certificate 1**(https://www.larsonelectronics.com/images/product/ANSICert1/316546.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/316546.PDF)
- **Catalog Page - Product Series**(https://www.larsonelectronics.com/images/product/CatalogPage/316546.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/316546.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/316546.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/316546.PDF)
- **Certificate 5, Misc**(https://www.larsonelectronics.com/images/product/Cert5/316546.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/316546.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/316546.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/316546.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/316546.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/316546.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/316546.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/316546.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/316546.JPG)
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- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/316546.JPG)
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- **HigResPic10**(https://www.larsonelectronics.com/images/product/HigResPic10/316546.JPG)
- **Video1**(https://www.youtube.com/watch?v=uEjmUN5Hyjw)
- **Video2**(https://www.youtube.com/watch?v=rR-PuRIWQzI)
- **Video3**(https://www.youtube.com/watch?v=xjhSzbhUupc)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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