Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
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**MPD-CD1-309.100AB-SE25SZ-ZL-E36-L27-L09-10.N09-M1**

# 25 KVA Temporary Power Distribution - 480V 3PH-120/240V 1PH, (2) L6-30R & (10) 5-20R NEMA Duplex GFCI Receptacles, 4100P7W IEC 60309 Inlet - Dolly Cart

**Product ID: 301098**

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



**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

**MPD-CD1-309.100AB-SE25SZ-ZL-E36-L27-L09-10.N09-M1 Mobile Distribution Center**

**Line-in Cord: 150' #4/4 AWG TYPE W Cord [2000V]**
**Line-in Cord Cap: 4100P7W IEC 60309 100A 3PH Pin & Sleeve Male Plug [480V]**
**Primary Voltage (V): 480V AC Delta**
**Primary Phase (PH): 3-Phase (3PH)**
**Primary Frequency (HZ): 60 Hz (60-cycles)**
**Primary Panel: 480V 3PH 100A MLO Hinged N3R**
**Primary Breaker(s): (1) 60A 2P MCCB [480V]; (1) 60A 3P MCCB [480V]; (3) 30A 3P MCCB [480V]**
**Primary Outlet(s): (1) 460R7W IEC 60309 60A Pin & Sleeve [480V]; (3) L16-30R NEMA Twist-Lock [480V]**
**Primary Protection:** MCCB Circuit Breakers; Weather-proof Cover
**Transformer:** 25KVA 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 100A MCCB Hinged N3R**
**Secondary Breaker(s): (2) 30A 2P MCB [250V]; (10) 20A 1P GFCI-MCB [125V]**
**Secondary Outlet(s): (2) L6-30R NEMA Twist-Lock [250V]; (10) 5-20R NEMA DPLX [125V]**
**Secondary Protection:** MCB Circuit Breakers; Weather-proof Cover; GFCI's
**Form Factor:** Blue Powder Coated MGL Dolly Cart w/ No Flat Tires
**Dimensions:** -

**Ratings**

**Max Primary OCP: 100A @ 480V**
**Max Secondary OCP: 100A @ 240V**
NRTL Listed to 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

**Intl:** 1-903-270-1187
**Toll Free:** 1-800-369-6671
**Fax:** 1-903-498-3364

**Weight:** -

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.

**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**

**The MPD-CD1-309.100AB-SE25SZ-ZL-E36-L27-L09-10.N09-M1 from Larson Electronics is a Mobile Power Distribution System that is used for powering equipment within industrial sites. This power distribution system provides operators the ability to safely tap into commonly found three-phase 480V AC Delta power from a variety of sources including generators and direct grid power. This portable spiderbox is suitable for outdoor applications.**

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

**Operation:**

- Primary Voltage: 480V AC Delta 3PH
- Primary Panel: 480V 3PH 100A MLO Hinged N3R
- Primary Breaker(s): (1) 60A 2P MCCB [480V]; (1) 60A 3P MCCB [480V]; (3) 30A 3P MCCB [480V]
- Primary Outlet(s): (1) 460R7W IEC 60309 60A Pin & Sleeve [480V]; (3) L16-30R NEMA Twist-Lock [480V]
- Transformer: 25KVA 480V to 120/240V 1PH N3R
- Secondary Voltage: 120/240V AC 1PH
- Secondary Panel: 120/240V 1PH 100A MCCB Hinged N3R
- Secondary Breaker(s): (2) 30A 2P MCB [250V]; (10) 20A 1P GFCI-MCB [125V]
- Secondary Outlet(s): (2) L6-30R NEMA Twist-Lock [250V]; (10) 5-20R NEMA DPLX [125V]

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

The MPD-CD1-309.100AB-SE25SZ-ZL-E36-L27-L09-10.N09-M1 temporary power distribution system provides a safe and reliable way for operators in industrial settings to tap into and utilize power sources independently of the work area. This unit provides an effective power distribution system for operators performing plant turnarounds, maintenance and cleaning in work areas, equipment installations and repairs, and any activities requiring an alternative to native power sources. The portable transformer is designed to operate with three-phase 480V AC Delta and features one 4100P7W IEC 60309 100A 3PH pin & sleeve male inlet on the primary side. Operators may access two L6-30R NEMA twist-lock receptacles for 480V equipment and ten 5-20R NEMA GFCI duplex receptacles for 120V equipment.

**Operation:** One 4100P7W IEC 60309 100A 3PH pin & sleeve male inlet brings three-phase 480V AC Delta to the primary side of the system, which contains a 100-amp three-phase 480V hinged panel. This primary panel has one 60-amp 2-pole 480V, one 60-amp 3-pole 480V molded case circuit breaker, and three 30-amp 3-pole 480V molded case circuit breaker protecting one 460R7W pin & sleeve receptacle and three L16-30R twist-lock receptacles. The secondary panel has two 30-amp 2-pole miniature circuit breakers protecting two L6-30R NEMA twist-lock receptacles and ten 20-amp 1-pole 125V miniature circuit breakers protecting ten 20-amp 5-20R 125V NEMA GFCI duplex receptacles.

The transformer and load center/distribution assembly is mounted to a standard upright steel dolly cart style frame resulting in an extremely stable, durable, and mobile power distribution platform. Two run-flat tires and a cart style mounting platform provides easier substation mobility. This temporary power distribution solution can be modified to meet the needs of job-site receptacle requirements. Units are available up to 150kva, and can be equipped with skids or trailer mounted.

**Certification:** All units are built in accordance to NFPA 70 (National Electric Code). 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:** Indoor or outdoor applications including but not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits and shipyard operations. These units 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.

Larson Electronics is a manufacturer and as such can build portable transformer systems to your specifications. Although we carry several models of power distribution systems, 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)

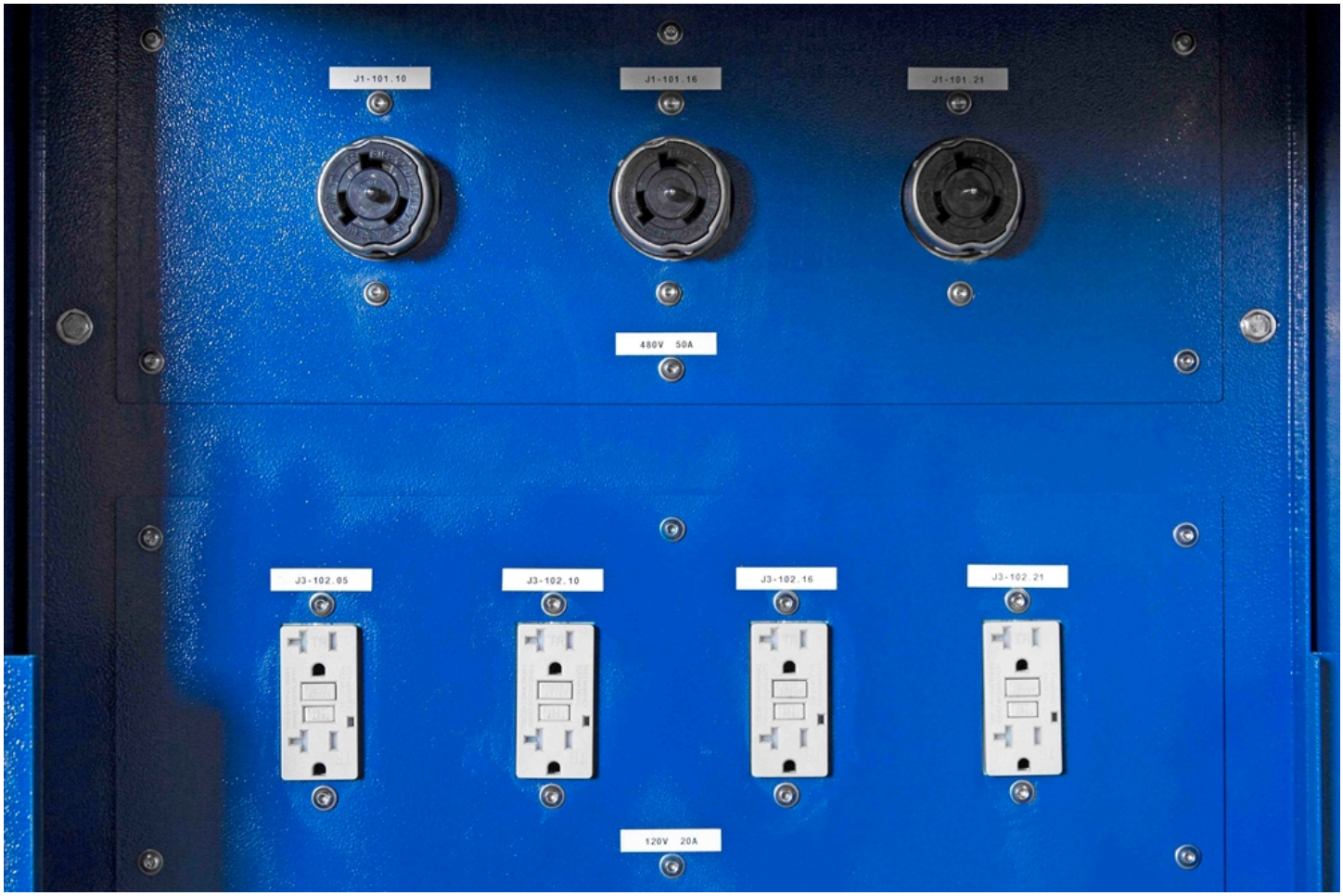
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MISTER

**MPD-CD1-309.100AB-SE25SZ-ZL-E36-L27-L09-10.N09-M1**

**Product ID: 301098**

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

Links (Click on the below items to view):

- ANSI Certificate 1
- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- Catalog Page - Product Series
- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 5, Misc
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- Single Line Diagram (One-Line Diagram)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- Video2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map