

MPD-CD1-BSMTS-SE15SP-EG-1.C02-1.L09-6.N10-M1

15KVA Temporary Power Distribution - 480V to 120/240V 1PH - (8) Prim. Receptacles - MTS

Product ID: 265949

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-BSMTS-SE15SP-EG-1.C02-1.L09-6.N10-M1 Temporary Power Distribution System

Line-in Cords: (1) 10' #8 SOOW Cord, (1) 10' #4 SOOW Cord

Primary Voltages: 480V AC, 1PH (HV) and 120/240V AC, 1PH (LV)

Primary HV Breaker: 40A 480V 1PH MCB N3R

Primary Voltage Management: Manual Transfer Switch

Primary LV Panel: 60A 120/240V 1PH MCB N3R

Primary Protection: MTS

Transformer: 15KVA 480V to 120/240V AC 1PH 60Hz N3R

Secondary Voltage: 120/240V AC 1PH

Secondary Breakers: (1) 50A 2P [250V], (1) 30A 2P [250V], (6) 20A 1P [125V]

Secondary Receptacles: (1) 50A CS8269 [250V], (1) 30A L6-30R [250V], (6) 20A 5-20R Duplex GFCI [125V]

Secondary Protection: Circuit Breakers, GFCI, Weatherproof Covers

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

Frame Finish: Powder Coated

Dimensions: 34"-W x 40"-D x 48"-H

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.

Ratings

Max HV OCP: 40A @ 480V

Max LV OCP: 60A @ 240V

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

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

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The Larson Electronics MPD-CD1-BSMTS-SE15SP-EG-1.C02-1.L09-6.N10-M1 power distribution substation converts single-phase 480V AC 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. The power distribution system is designed to accommodate 480V and 120/240V with a built-in manual transfer switch (MTS).

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

Portable Power Distribution Purpose and Use: The MPD-CD1-BSMTS-SE15SP-EG-1.C02-1.L09-6.N10-M1 portable power distribution system gives operators the ability to power their 240 volt and 120 volt equipment from a single system. On the primary side, operators connect 480 volt using a 10' #8 SOOW cord or 120/240 volt using a 10' #4 SOOW cord. This selection is facilitated by a primary manual transfer switch. On the secondary side, one CS8269 receptacle for 240V equipment, one L6-30R receptacle for 240V equipment and six 5-20R duplex GFCI receptacles for 120V equipment are available. All receptacles are equipped with weatherproof covers.

Operation: A 10' #8 SOOW cord brings single-phase 480V power to the NEMA 3R 40-amp, single-phase 480V main circuit breaker and passes 480V power through to the transformer. The NEMA 3R 15KVA transformer converts 480V to single-phase 120/240V 60Hz and passes the current to the secondary side. Alternatively, operators may choose to feed single-phase 120/240V power directly to the secondary side using a 10' #4 SOOW cord to a NEMA 3R 60-amp, single-phase 120/240V main circuit breaker panel, which is protected by a manual transfer switch. The secondary side features one 50-amp 2-pole 250V breaker protecting one 50-amp 250V CS8269 receptacle, one 30-amp 2-pole 250V breaker protecting one 30-amp 250V L6-30R receptacle and six 20-amp 1-pole 125V breakers protecting six 20-amp 125V 5-20R duplex GFCI receptacles.

Protective Construction: 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 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. 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.

Frequently Asked Questions (FAQ)











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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [ANSI Certificate 1](#)
- [Canadian CEC Certificate \(Commonly referred to as CSA Certificate\)](#)
- [CE Certificate](#)
- [Certificate 1, Misc](#)
- [Certificate 2, Misc](#)
- [Certificate 5, Misc](#)
- [MSDS \(Material Safety Data Sheet](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
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- [HigResPic10](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
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