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**MPD-CM5-NSB.30AF-SR2SY-ZZ-1.N19-1.N09-M1**

# 2 KVA Portable Power Distribution Spiderbox - 220V to 110V 1-Phase - (1) 6-30R & (1) 5-20R Duplex Outlets, 10' Cord w/ 6-30P Plug - Powder Coated Steel w/ Casters

**Product ID: 305727**

**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.**

**MPD-CM5-NSB.30AF-SR2SY-ZZ-1.N19-1.N09-M1 Power Distribution**
**Line-In Cord: 10' #10/3 AWG TYPE SOOW Cord [600V]**
**Line-in Cord Cap: 6-30P NEMA 30A Straight-Blade Plug [250V]**
**Primary Voltage: 220V AC**
**Primary Phase: 1-Phase**
**Primary Frequency: 60 Hz**
**Primary Panel: N/A**
**Primary Breaker(s): N/A**
**Primary Outlet(s): (1) 6-30R NEMA 30A Straight-Blade Feed-thru Receptacle [250V]**
**Primary Protection: N/A**
**Transformer: 2KVA 220V to 110V 1PH N3R**
**Secondary Voltage: 110V AC**
**Secondary Phase: 1-Phase**
**Secondary Frequency: 60 Hz**
**Secondary Panel: 110V 1PH 18A MLO Hinged N3R**
**Secondary Breaker(s): (1) 20A 1P MCB [125V]**
**Secondary Outlet(s): (1) 5-20R NEMA DPLX [125V]**
**Secondary Protection: MCB Circuit Breaker**
**Form Factor: Blue Powder Coated Portable / Base Stand**
**Frame Materials: -**
**Dimensions: -**
**Weight: -**

Larson Electronics manufactures a wide variety of custom power distribution systems. The

**Ratings**
**Max OCP Primary: 30A @ 220V**
**Max Secondary Output: 18A @ 110V**
NRTL Certified to UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor / Outdoor Use
Weatherproof
Output Receptacle Protected by Breaker
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
**E-mail:** sales@larsonelectronics.com

*All grounding shall comply with state and local codes and

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.

meet the minimum requirements of the National Electronic Code section 250*

**Made in Texas**

**The MPD-CM5-NSB.30AF-SR2SY-ZZ-1.N19-1.N09-M1 from Larson Electronics is a Portable Power Distribution Spiderbox for rugged and industrial applications. This weatherproof unit converts single-phase 220V AC electrical current to single-phase 110V AC. A powder coated steel cart with stainless steel hardware provides mobility and seamless deployment in rugged environments.**

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

**Portable Power Distribution Purpose and Use:** The MPD-CM5-NSB.30AF-SR2SY-ZZ-1.N19-1.N09-M1 portable power distribution system gives operators the ability to power their 110 volt equipment. On the primary side, operators connect single-phase 220V line-in power using a 10' #10/3 AWG Type SOOW cord with a 6-30P NEMA straight-blade plug. On the secondary side, operators are provided access to one 5-20R NEMA duplex outlet for 110V equipment.

**Operation:**

- Primary Voltage: 220V AC 1PH
- Primary Panel: N/A
- Primary Breaker(s): N/A
- Primary Outlet(s): (1) 6-30R NEMA 30A Straight-Blade Feed-thru Receptacle [250V]
- Transformer: 2KVA 220V to 110V 1PH N3R
- Secondary Voltage: 110V AC 1PH
- Secondary Panel: 110V 1PH 18A MLO Hinged N3R
- Secondary Breaker(s): (1) 20A 1P MCB [125V]
- Secondary Outlet(s): (1) 5-20R NEMA DPLX [125V]

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

This weatherproof power distribution unit features overload protection. In the instance of circuit overload, the unit automatically trips the circuit breaker to protect the unit from damage, and operators manually reset the breaker.

**Operation:** A 10' #10/3 AWG Type SOOW cord with a 30-amp 250V 6-30P NEMA straight-blade plug brings single-phase 220V power to the primary side of the system, which contains one 30-amp 6-30R 125V NEMA duplex receptacle, and passes power through to the transformer. The NEMA 3R 2 kVA transformer converts single-phase 220V AC to 110V AC and passes the current to the secondary side. The secondary side of the transformer is equipped with one 20-amp 1-pole 125V main circuit breakers protecting one 5-20R NEMA duplex outlet.

**Protective Construction:** The housing on the MPD-CM5-NSB.30AF-SR2SY-ZZ-1.N19-1.N09-M1 is constructed from powder coated steel with a NEMA 3R enclosure rating (we offer stainless steel enclosures at an additional cost). The angled base and low center of gravity ensure this unit does not tip over when deployed in the field. The entire unit is powder coated with glossy blue finish for corrosion resistance and aesthetics. The assembly is mounted atop four swivel polyurethane casters, two standard swivel and two locking swivel, aiding in transportation within the job site. A top located adjustable push handle allows operators to guide this unit through the workspace.

**Certification:** All units are built in accordance to NFPA 70 (National Electric Code) and NRTL 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.

**Applications:** This power distribution system is NEMA 3R rated and ideal for indoor/outdoor use and applications including but not limited to; refeer containers, transportation, refrigerator containers, industrial sites, docks, commercial areas and more.

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.

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# Frequently Asked Questions (FAQ)

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**Product ID: 305727**

**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
- 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
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map