Larson Electronics LLC
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MPD-CM5-NSB.15AB-SZ0.5LAE-AB-2.R9-4.L03-M1

0.5 KVA Transformer - 120V or 240V AC to 12V or 24V - (4) L5-15R 12V/24V Receptacles

Product ID: 1655

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.15AB-SZ0.5LAE-AB-2.R9-4.L03-M1 - Temporary Power Distribution System

Line-in Cord: 6' #16/3 AWG TYPE SOOW Cord [600V]
Line-in Cord Cap: 5-15P or 6-15P NEMA 15A Straight-Blade Plug [125V or 250V]
Primary Voltage (V): 125V or 250V AC
Primary Phase (PH): 1-Phase (1PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Panel: N/A
Primary Breaker(s): (1) 8A 1P MCB [12V] or (1) 4A 1P MCB [24V]
Primary Outlet(s): N/A
Primary Protection: N/A
Transformer (KVA): 0.5KVA (500VA) 120x240V to 12x24V 1PH N3R
Secondary Voltage (V): 12V or 24V AC/DC
Secondary Phase (PH): 1-Phase (1PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: 12V or 24V 1PH MLO Hinged N3R
Secondary Breaker(s): (2) 15A 1P MCB [12V/24V]
Secondary Outlet(s): (4) L5-15R NEMA Twist-Lock [12V/24V]
Secondary Protection: MCB Circuit Breakers
Form Factor: Blue Powder Coated Portable / Base Stand w/ Polyurethane Swivel Casters

Material: Steel

Finish: High-Strength TGIC Polyester Powder Coated Blue

Dimensions: N/A

Weight: N/A

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

Ratings

Max Primary OCP: 8A @ 120V/4A @ 240V
Max Secondary Output: 42A @ 12V/21A @ 24V
NEMA 3R Indoor or Outdoor Use
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

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 meet the minimum requirements of the National Electronic

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. Code section 250*

Made in Texas

The MPD-CM5-NSB.15AB-SZ0.5LAE-AB-2.R9-4.L03-M1 from Larson Electronics is a Portable Power Distribution System converts single-phase 120V or 240V AC to 12V or 24V AC/DC from a variety of sources including generators and direct grid power. This system carries a NEMA 3R rating for indoor and outdoor use.

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

The MPD-CM5-NSB.15AB-SZ0.5LAE-AB-2.R9-4.L03-M1 temporary power distribution system gives operators the ability to power their 24 volt or 12 volt equipment from a single system.

Operation:

- Primary Voltage: 1-Phase 125V or 250V AC
- Primary Panel: N/A
- Primary Breaker(s): (1) 8A 1P MCB [12V] or (1) 4A 1P MCB [24V]
- Primary Outlet(s): N/A
- Transformer: 0.5KVA (500VA) 120x240V to 12x24V 1PH N3R
- Secondary Voltage: 12V or 24V AC/DC
- Secondary Panel: 12V or 24V 1PH MLO Hinged N3R
- Secondary Breaker(s): (2) 15A 1P MCB [12V/24V]
- Secondary Receptacles: (4) L5-15R NEMA Twist-Lock [12V/24V]

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

Protective Construction: The housing is constructed from powder coated steel with a NEMA 3R enclosure rating. The angled base and low center of gravity ensure this low voltage transform does not tip over when 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. 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.

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.

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)

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Product ID: 1655

Harmonized System (HS) Code: 8504.21.0040

Export Control Classification Number (ECCN): EAR99

Options:

MPD-CM5-NSB.15AB-SZ0.5LAE-AB-2.R9-4.L03-M1-Voltage In-Voltage Out

Example: MPD-CM5-NSB.15AB-SZ0.5LAE-AB-2.R9-4.L03-M1-120V-12VDC

Voltage In	
120VAC	-120V
220VAC	-240V

Voltage Out	
12VDC	-12VDC
24VDC	-24VDC
12VAC	-12VAC
24VAC	-24VAC

Links (Click on the below items to view):

- **Operations Manual**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**