Larson Electronics LLC
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MPD-CM5-869.60AB-SE10SW-CZ-4.N10-M2

10 KVA Portable Power Distribution, 480V-120V 1PH, (2) 5-20R GFCI, (2) 5-20R, Pin/Sleeve Line-In

Product ID: 292027



Image: MPD-CM5-869.60AB-SE10SW-CZ-4.N10-M2

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-CM5-869.60AB-SE10SW-CZ-4.N10-M2 - Temporary Power Distribution System
Line-in Cord: 8' #10/3 AWG TYPE SOOW Cord [600V]
Line-in Cord Cap: ACP6034 NRTL UL 1682/1686 60A 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) 25A 2P MCB [480V]
Primary Outlet(s): N/A
Primary Protection: MCB Circuit Breaker
Transformer (KVA): 10 KVA 480V to 120V 1PH N3R
Secondary Voltage (V): 120V AC
Secondary Phase (PH): 1-Phase (1PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: 120V 1PH 83.3A MLO Hinged N3R
Secondary Breaker(s): (4) 20A 1P MCB [125V]
Secondary Outlet(s): (4) 5-20R NEMA DPLX GFCI [125V]
Secondary Protection: MCB Circuit Breakers, GFCIs
Form Factor: Blue Powder Coated Portable Base Stand w/ Poly-Swivel Casters
Material: Steel
Finish: High-Strength TGIC Polyester Powder Coated Blue
Dimensions: 26''W x 42''T x 21''D
Weight: 125 Lbs
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

Ratings
Max Primary OCP: 25A @ 480V
Max Secondary Output: 83.3A @ 120V
NEMA 3R Indoor or Outdoor Use
NRTL Certified to CSA C22.2 No. 14
NRTL Certified to UL 1640

Made in the USA

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: 1-903-765-7664
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

specifics for this configuration are listed in the specification table and one-line diagram.

Made in Texas

The MPD-CM5-869.60AB-SE10SW-CZ-4.N10-M2 from Larson Electronics is a Portable Power Distribution System that provides operators the ability to safely tap into and distribute three-phase 480V AC Delta power 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-CM5-869.60AB-SE10SW-CZ-4.N10-M2 temporary power distribution system gives operators the ability to power their single-phase 120 volt equipment from a single system.

The secondary receptacles are flush mounted on the side of the unit with two bolts and chase nipple. Each side contains one top mounted push handle, allowing two individuals to carry the unit and protect the receptacles from physical contact and impacts.

Operation:

• Primary Voltage: 3-Phase 480V AC Delta

• Primary Panel: N/A

• Primary Breaker(s): (1) 25A 2P MCB [480V]

• Primary Outlet(s): N/A

• Transformer: 10 KVA 480V to 120V 1PH N3R

• Secondary Voltage: 1-Phase 120V AC

• Secondary Panel: 120V 1PH 83.3A MLO Hinged N3R

• Secondary Breaker(s): (4) 20A 1P MCB [125V]

• Secondary Receptacles: (4) 5-20R NEMA DPLX GFCI [125V]

*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

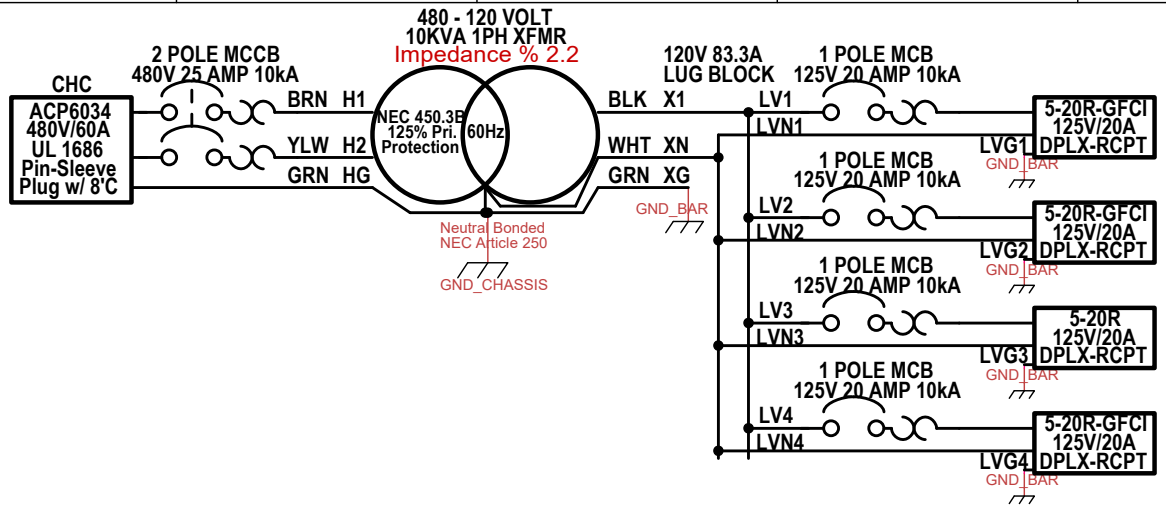
finish for durability against dirt, moisture and mild corrosion. This special coating creates a high-strength barrier for protection from accidental bumps and scratches. The TGIC polyester powder coat finish offers reliable resistance against chemicals, UV light (sun light) and degrading elements in 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.



WIRE LEGEND

ID	TYPE	DESCRIPTION	WIRE SIZE
CHC	CORD	600V TYPE SOOW	#10/3 AWG cu
H1	CABLE	600V THHN BROWN	#12 AWG cu
H2	CABLE	600V THHN YELLOW	#12 AWG cu
HG	CABLE	600V THHN GREEN	#12 AWG cu
X1	CABLE	600V THHN BLACK	#4 AWG cu
XN	CABLE	600V THHN WHITE	#4 AWG cu
XG	CABLE	600V THHN GREEN	#8 AWG cu
LV1	CABLE	600V THHN BLACK	#12 AWG cu
LV2	CABLE	600V THHN BLACK	#12 AWG cu
LV3	CABLE	600V THHN BLACK	#12 AWG cu
LV4	CABLE	600V THHN BLACK	#12 AWG cu
LVG1	CABLE	600V THHN GREEN	#12 AWG cu
LVG2	CABLE	600V THHN GREEN	#12 AWG cu
LVG3	CABLE	600V THHN GREEN	#12 AWG cu
LVG4	CABLE	600V THHN GREEN	#12 AWG cu
LVN1	CABLE	600V THHN WHITE	#12 AWG cu
LVN2	CABLE	600V THHN WHITE	#12 AWG cu
LVN3	CABLE	600V THHN WHITE	#12 AWG cu
LVN4	CABLE	600V THHN WHITE	#12 AWG cu

USER NOTES:

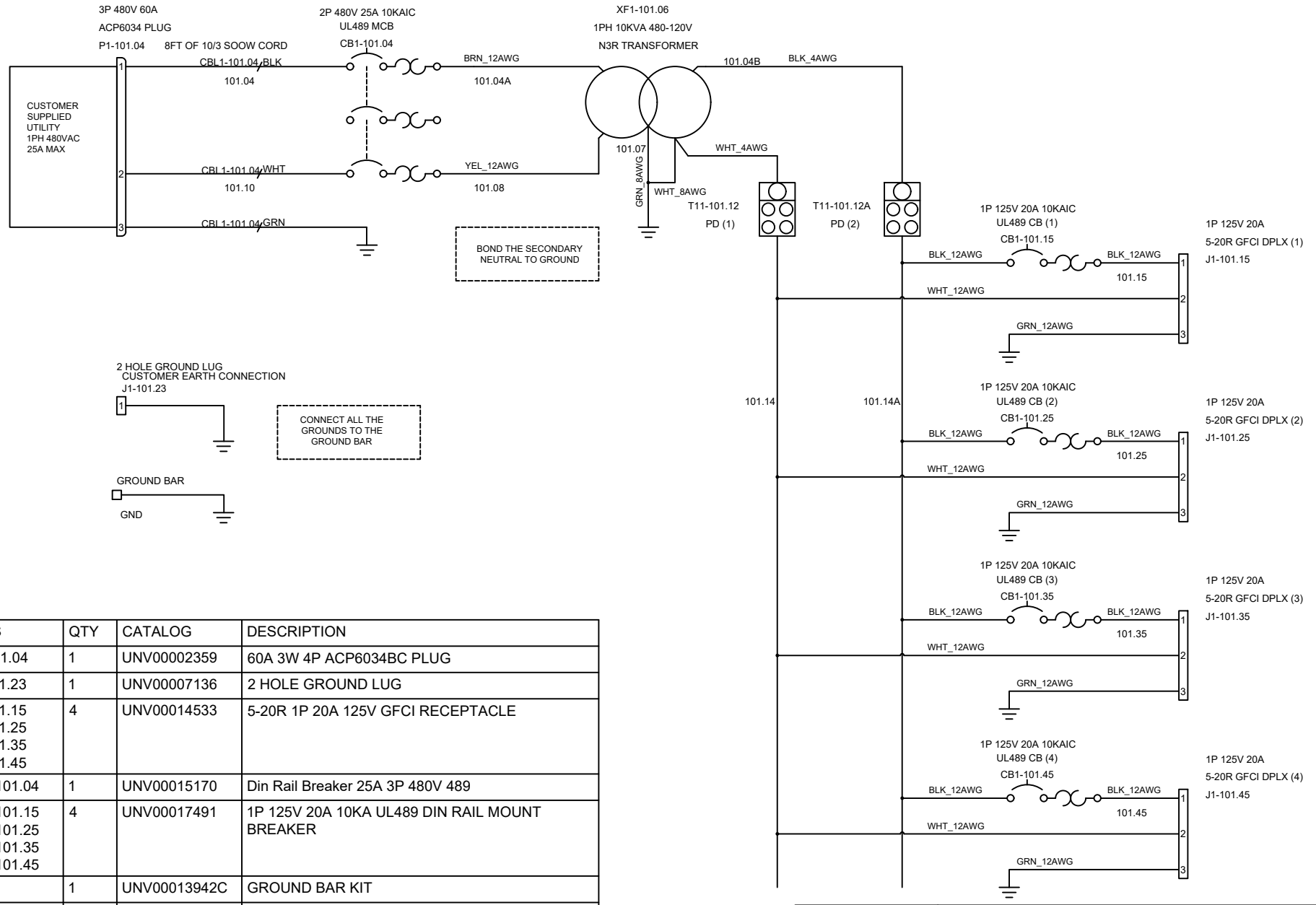
IEC 60076 permits +/- 10% tolerance in percentage impedance at the manufacturer's end.

Title: MPD-CM5-869.60AB-SE10SW-CZ-4.N10-M2		
Author: David Downs		
File: 3PH 10KVA 120V 83.3A 1PH MLO 4x5-20R-GFCI		Document
Revision: 1.0	Date: 01/23/2023	Sheets: 1 of 1

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	12/27/2024

MPD-CM5-869.60AB-SE10SW-CZ-4.N10-M2

LARSON ELECTRONICS®



TAGS	QTY	CATALOG	DESCRIPTION
P1-101.04	1	UNV00002359	60A 3W 4P ACP6034BC PLUG
J1-101.23	1	UNV00007136	2 HOLE GROUND LUG
J1-101.15 J1-101.25 J1-101.35 J1-101.45	4	UNV00014533	5-20R 1P 20A 125V GFCI RECEPTACLE
CB1-101.04	1	UNV00015170	Din Rail Breaker 25A 3P 480V 489
CB1-101.15 CB1-101.25 CB1-101.35 CB1-101.45	4	UNV00017491	1P 125V 20A 10KA UL489 DIN RAIL MOUNT BREAKER
GND	1	UNV00013942C	GROUND BAR KIT
T11-101.12 T11-101.12A	2	UNV00015084	POWER DISTRIBUTION BLOCK 175 A 600V 1-4 OPENING
CBL1-101.04	1	UNV00007525	10/3 SOOW CABLE
XF1-101.06	1	UNV00013878	240-120V1PH 10KVA TRANSOFRMER

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DRAWN BY	DATE	REV
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CHECKED BY	SHEET #	DRAWING #
	1 OF 1	101

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Frequently Asked Questions (FAQ)

There are no Faqs