

MPD-SA4-CS.50AB-SZ-Z-1.L22-8.N09-M1

50A Rack Mount Power Distribution - 120/240V 1-phase - (7) Outlets, Male Inlet - No Case

Product ID: 279799



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-SA4-CS.50AB-SZ-Z-1.L22-8.N09-M1 Rack Mount Power Distribution

Line-in Cord: -

Line-in Cord Cap: CS6369 California Standard Twist-Lock Male Inlet [125/250V]

Primary Voltage (V): 120/240V AC

Primary Phase (PH): 1-Phase (1PH)

Primary Frequency (Hz): 60 Hz (60-cycles)

Primary Panel: 120/240V 1PH 50A MLO N3R

Primary Breakers: (1) 30A 2P MCB [250V]; (6) 20A 1P MCB [125V]

Primary Outlets: (1) L14-30R NEMA Black Twist-Lock [125/250V]; (6) 5-20R NEMA DPLX [125V]

Primary Protection: MCB Circuit Breakers

Transformer (KVA): N/A

Secondary Voltage (V): N/A

Secondary Phase (PH): N/A

Secondary Frequency (Hz): N/A

Secondary Panel: N/A

Secondary Breakers: N/A

Secondary Outlets: N/A

Secondary Protection: N/A

Form Factor: 4U Rack mount

Frame Materials: -

Dimensions: -

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

Ratings

Max Primary OCP: 50A @ 240V

Max Secondary Output: -

NRTL Listed to UL 508A

NRTL Listed to UL 1640

NRTL Listed to CSA C22.2 No. 14

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

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

accurately represent this exact configuration in every detail due to being custom builds. The Electronic Code section 250* specifics for this configuration are listed in the specification table and one-line diagram.

Made in Texas

The Larson Electronics MPD-SA4-CS.50AB-SZ-Z-1.L22-8.N09-M1 Rack Mount Power Distribution is a portable power solution designed for stages, movie sets, concerts and entertainment sites. This mobile power distribution unit provides operators the ability to safely tap into and distribute single-phase 120/240V AC power from a variety of sources, including generators and direct grid power, found in motion picture production.

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

Portable Power Distribution Purpose and Use

The MPD-SA4-CS.50AB-SZ-Z-1.L22-8.N09-M1 portable power distribution system gives operators the ability to power their 240 volt and 120 volt equipment from a single system within live recording and entertainment venues. On the primary side, operators connect single-phase 120/240V line-in power using one CS6369 California Standard twist-lock male inlet. The primary side contains one L14-30R NEMA twist-lock receptacle for 120/240V equipment and six 5-20R NEMA duplex receptacles for 120V equipment.

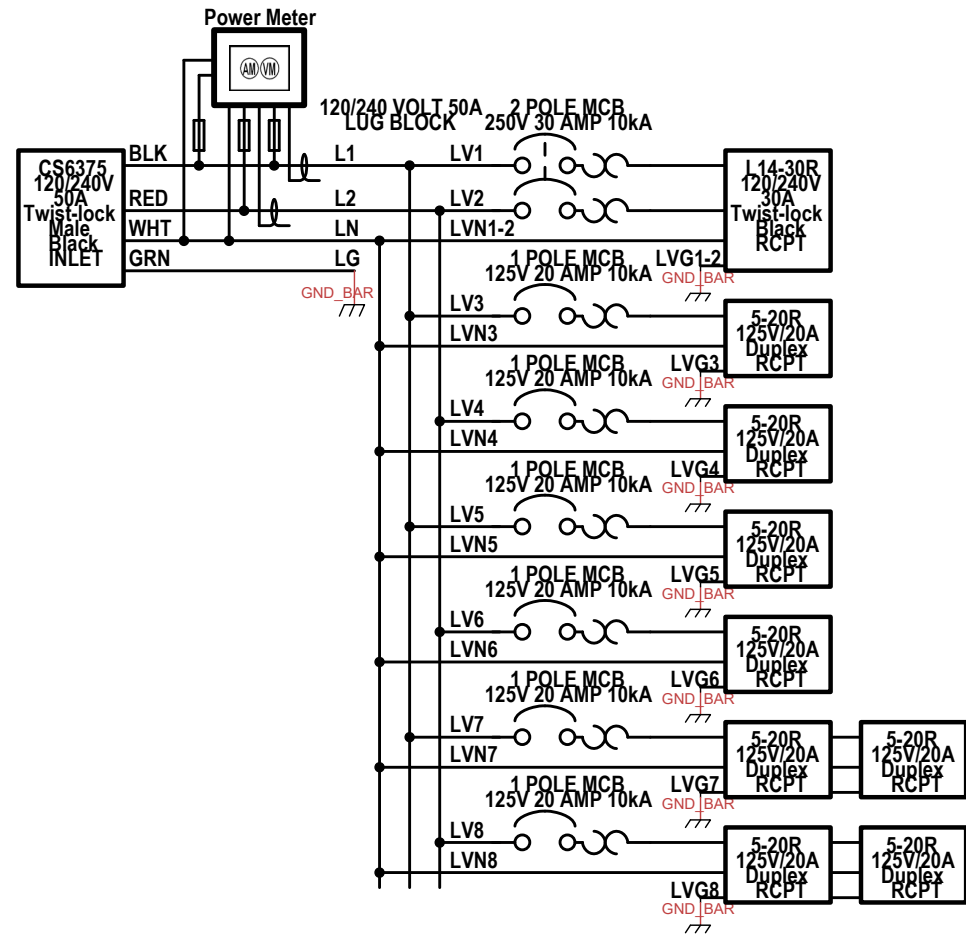
Operation: One 50-amp 125/250V CS6369 California Standard twist-lock male inlet brings single-phase 120/240V to the primary side of the system, which features a NEMA 3R 50-amp single-phase 120/240V main lug only panel. The primary panel has one 30-amp 2-pole 250V main circuit breaker protecting one 30-amp 125/250V L14-30R NEMA twist-lock receptacle and six 20-amp 1-pole 125V main circuit breakers protecting six 20-amp 125V 5-20R NEMA duplex receptacles.

Protective Construction: This unit does not come with a rack mount case. The system must be installed in a customer provided 4U rack mount case for protection.

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 ideal for indoor or outdoor use and applications including but not limited to, movie sets, entertainment, television sets, stage lighting, studio recording, sporting events, rigging, audio and video production, concerts and motion picture production. 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
L1	CABLE	600V THHN BLACK	#8 AWG cu
L2	CABLE	600V THHN RED	#8 AWG cu
LN	CABLE	600V THHN WHITE	#8 AWG cu
LG	CABLE	600V THHN GREEN	#10 AWG cu
LV1	CABLE	600V THHN BLACK	#10 AWG cu
LV2	CABLE	600V THHN RED	#10 AWG cu
LV3	CABLE	600V THHN BLACK	#12 AWG cu
LV4	CABLE	600V THHN RED	#12 AWG cu
LV5	CABLE	600V THHN BLACK	#12 AWG cu
LV6	CABLE	600V THHN RED	#12 AWG cu
LV7	CABLE	600V THHN BLACK	#12 AWG cu
LV8	CABLE	600V THHN RED	#12 AWG cu
LVG1-2	CABLE	600V THHN RED	#12 AWG cu
LVG3	CABLE	600V THHN GREEN	#10 AWG cu
LVG4	CABLE	600V THHN GREEN	#12 AWG cu
LVG5	CABLE	600V THHN GREEN	#12 AWG cu
LVG6	CABLE	600V THHN GREEN	#12 AWG cu
LVG7	CABLE	600V THHN GREEN	#12 AWG cu
LVG8	CABLE	600V THHN GREEN	#12 AWG cu
LVN1-2	CABLE	600V THHN WHITE	#10 AWG cu
LVN3	CABLE	600V THHN WHITE	#12 AWG cu
LVN4	CABLE	600V THHN WHITE	#12 AWG cu
LVN5	CABLE	600V THHN WHITE	#12 AWG cu
LVN6	CABLE	600V THHN WHITE	#12 AWG cu
LVN7	CABLE	600V THHN WHITE	#12 AWG cu
LVN8	CABLE	600V THHN WHITE	#12 AWG cu

Title		
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1.0	10/12/2021	1 of 1



Frequently Asked Questions (FAQ)