

Mobile Power Distribution Center - 240V to 120V - 100A MCB - (2) 240V (6) 120V Outlets - 50' Cable

Part #: MDC-240-100MB-50C-MOD1



Made in the USA

The Larson Electronics MDC-240-100MB-50C-MOD1 Mobile Distribution System steps down 240V AC electrical current to 120V AC 60hz. This power distribution system provides operators the ability to safely tap into commonly found 240V AC power from a variety of sources including generators and direct grid power. This portable spiderbox is suitable for outdoor applications.

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

The MDC-240-100MB-50C-MOD1 temporary power distribution system provides a safe and reliable way for operators in industrial settings to tap into and utilize power sources independently of the work area. This unit provides an effective power distribution system for operators performing plant turnarounds, maintenance and cleaning in hazardous areas, equipment installations and repairs, and any activities requiring an alternative to native power sources.

This portable spiderbox is designed to operate with 240V AC 60Hz which it steps down to 120V AC. The power distribution system on this portable substation makes 240V AC available via one 50-amp, 240V receptacle and one 30-amp, 240V receptacle. Operators can also access 120V AC via three 20-amp GFCI 5-20R duplex receptacles and three 20-amp standard 5-20R duplex receptacles. All receptacles are equipped with weatherproof covers.



5-20 120V, GFCI Receptacle



Breaker Panel



30 Amp Receptacle



50 Amp Receptacle



Cord Reel



Side Profile

Description:

A 50' 6/4 Type W line-in power cord with a 60-amp 360P6W 3P4W cord cap brings 240V AC into the portable panel. The main circuit breaker panel is protected by a 100-amp load center which includes breakers for circuit protection. The portable panel contains one 50-amp breaker protecting one 240V receptacle, one 30-amp breaker protecting one 240V receptacle, three 20-amp breakers protecting three 20-amp, 120V, 5-20R GFCI duplex receptacles, and three 20-amp breakers protecting three 20-amp standard 120V, 5-20R receptacles. The load center is mounted within the NEMA 3R enclosure.

Protective Construction: The distribution assembly is mounted to a standard upright steel dolly cart style frame, resulting in an extremely stable, durable, and mobile power distribution platform. Two run-flat tires and a cart style mounting platform provides easier substation mobility.

This temporary power distribution spiderbox can be modified to meet the needs of job-site receptacle requirements. Full power distribution units are available up to 150kva and can be equipped with skids or trailer mounted.

Certification: Larson Electronics is a UL 1640 panel shop and certified to build portable power distribution systems. 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.

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.

Specifications / Additional Information

MDC-240-100MB-50C-MOD1 Mobile Distribution Center

Line In: 240V AC via 50' 6/4 Type W Cable

Line-in Cord Cap: 60A 360P6W 3P4W [250V]

Panel: 100A 240V/120V MCB N3R

Breakers: (1) 50A, (1) 30A, (6) 20A

Outlets: (1) 50A [240V], (1) 30A [240V], (3) 20A GFCI 5-20R Duplex [120V], (3) 20A Standard 5-20R Duplex [120V]

Protection: GFCI, Weatherproof Covers

Grounding: Single Ground Lug

Form Factor: Powder Coated Steel Dolly Cart w/ Run Flat Tires

Dimensions: 24"-L x 18"-W X 52"-H

Weight: 65lbs

Max Primary OCP: 100 amps

Ratings

UL 1640 Portable Power-Distribution Equipment

NEMA 3R Indoor or Outdoor Use

Made in the USA

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-498-3363

E-mail: sales@larsonelectronics.com

Larson Electronics manufacture 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.

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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[Part #: MDC-240-100MB-50C-MOD1 \(149759\)](#)









Links (Click on the below items to view):

- [Manual](#)
- [Hi-Res Image 1 - Mobile Power Distribution Center \(Main\)](#)
- [Hi-Res Image 2 - Mobile Power Distribution Center \(Front\)](#)
- [Hi-Res Image 3 - Mobile Power Distribution Center \(Breaker Panel\)](#)
- [Hi-Res Image 4 - Mobile Power Distribution Center \(Side 1\)](#)
- [Hi-Res Image 5 - Mobile Power Distribution Center \(Back\)](#)
- [Hi-Res Image 6 - Mobile Power Distribution Center \(Side 2\)](#)
- [Hi-Res Image 7 - Mobile Power Distribution Center \(30 Amp Receptacle\)](#)
- [Hi-Res Image 8 - Mobile Power Distribution Center \(120V GFCI Receptacles\)](#)
- [Hi-Res Image 9 - Mobile Power Distribution Center \(50 Amp Receptacle\)](#)
- [Hi-Res Image 10 - Mobile Power Distribution Center \(Main\)](#)