

MPD-GCE1-2.CS.50AB-SZ0-L-1.E34-M1

100A Power Distribution Generator Combiner Box - 120/240V AC 1-Phase - (1) 4100R12W Outlet

Product ID: 308708

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-GCE1-2.CS.50AB-SZ0-L-1.E34-M1 Power Distribution Generator Combiner Box

Line-in Gen A: CS6375 California Standard Twist-Lock Male Inlet [125/250V]

Line-in Gen B: CS6375 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)

Panel-in: 120/240V 1PH 100A w/ 20KVA Buck Boost Transformers N3R

Panel-out: 110/220V 1PH 100A N3R

Breaker(s): (1) 100A 3P MCCB [250V]

Outlet(s): (1) 4100R12W IEC 60309 Pin-Sleeve [125/250V]

Protection: Flip Covers

Feed Type: Side or Bottom

Operating Temperature: 40°C

Form Factor: Gray Powder Coated N3R Hinged Locking Enclosure

Materials: Carbon Steel

Panel Finish: Powder Coated Gray

Dimensions: 18" x 18" x 10"

Mounting: Surface/Wall Mount

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

Ratings

Max Primary OCP: 100 A @ 240 V

Max Secondary Output: -

NRTL Listed for United States & Canada

NRTL Listed to UL 1203

NRTL Listed to CSA C22.2 No. 25, No. 30

NRTL Listed to UL 1640

NRTL Listed to UL 508A

NRTL Listed to CSA C22.2 No. 14

Special Orders - Special Requirements

Contact us for special requirements

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All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

The MPD-GCE1-2.CS.50AB-SZ0-L-1.E34-M1 from Larson Electronics is a Power Distribution Generator Combiner Box that is designed for reliable,

safe, and convenient power distribution at industrial work sites. This 100-amp unit provides single-phase 120/240V AC power via a main circuit breaker panel. The power distribution panel provides operators the ability to safely tap into and distribute 120/240V AC power from a variety of sources including generators and direct grid power. The MPD-GCE1-2.CS.50AB-SZ0-L-1.E34-M1 is equipped with two inlets.

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

The MPD-GCE1-2.CS.50AB-SZ0-L-1.E34-M1 power distribution generator combiner box gives operators the ability to switch between grid and generator sources and power their 240 volt and 120 volt equipment from a single system.

Operation:

- Primary Voltage: 120/240V AC
- Panel-in: 120/240V 1PH 100A w/ 20KVA Buck Boost Transformers N3R
- Panel-out: 110/220V 1PH 100A N3R
- Breaker(s): (1) 100A 3P MCCB [250V]
- Outlet(s): (1) 4100R12W IEC 60309 Pin-Sleeve [125/250V]

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

The MPD-GCE1-2.CS.50AB-SZ0-L-1.E34-M1 power distribution panel provides a safe and reliable way for operators in industrial settings to tap into and utilize power sources independently of the work area. Two CS6375 California Standard twist-lock male inlets are available for single-phase 120/240V AC input connections on the primary side. The secondary side contains one 4100R12W Pin/Sleeve outlet for single-phase 120/240V AC connections. Operators can switch between main line power and generator power.

Operators bring single-phase 120/240V AC line-in power to the primary side of the system using two 1CS6375 California Standard twist-lock male inlets. The primary side features a 120/240V 1PH 100A w/ 20KVA Buck Boost Transformers N3R. The secondary side has one 4100R12W Pin/Sleeve outlet protected by a 100-amp, 3-pole molded case circuit breaker.

Enclosure Design: This power distribution panel is housed in a space-saving NEMA 3R enclosure for protection against dust, dirt, and moisture in indoor and outdoor locations. Constructed of steel, the unit's slim, rectangular profile is compatible with panel mounting configurations. A lockable opening deters the possibility of tampering. We also offer similar power distribution panels on dolly carts with wheels, powder coated cube frames with lifting eyelets/skid pockets or stand-alone with handles for faster turnarounds and completion of temporary tasks.

Certification: This unit is NRTL listed for UL508A. 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.

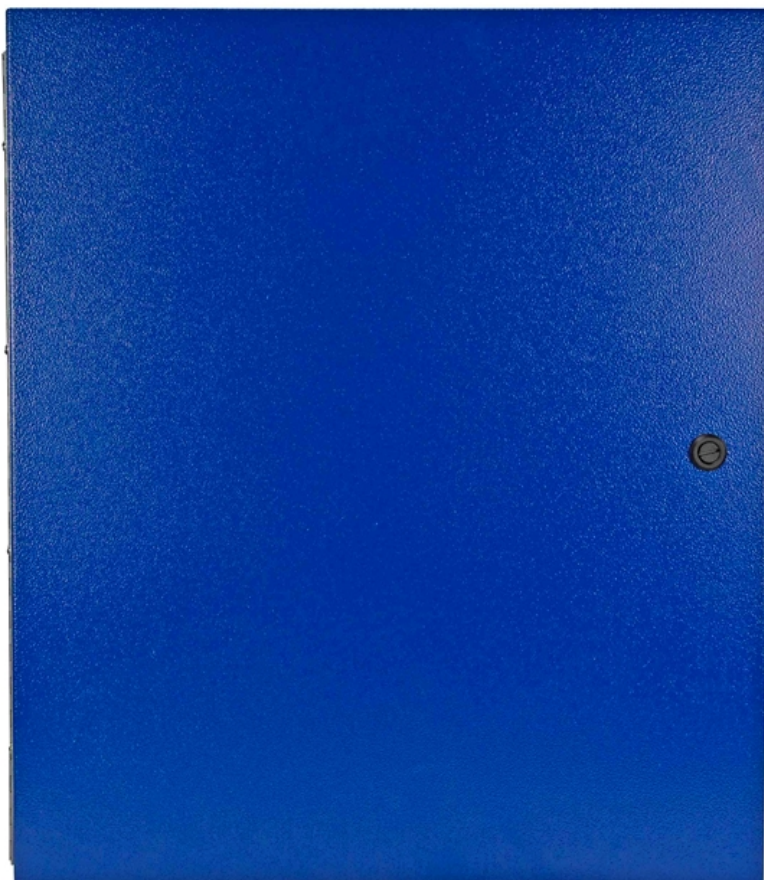
Grounding: Transformer is grounded to the frame and we provide a grounding lug on the frame for the earth ground.

~Please check all motor loads for dual rated motors that will work 208 or 240.~

Applications: This power distribution system is NEMA 3R rated and ideal for indoor/outdoor use and applications including but not limited to; construction sites, plant maintenance, plant turnarounds, hazardous location operations, shows, exhibits, and shipyard operations.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)





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](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)