Larson Electronics LLC
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MPD-CPB-1MVAR-34500V-N1-M1

1 MVAR Pad Mount Capacitor Bank - 34500Y/19920 Nominal Voltage, 3-Phase, NEMA 4X, Bell Green, W/ Capacitor Fuses, Load Break Switches, Voltage Transformer and Controller

Product ID: 315104

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MPD-CPB-1MVAR-34500V-N1-M1

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-CPB-1MVAR-34500KV-N1-M1 MV Pad Mount Capacitor Bank

Unit Type: MV Pad Mount Capacitor Bank
Phase: Three Phase
Wire: Four Wire
Nominal Voltage Rating: 34500Y/19920 Wye-N
Voltage Class: 35 kV
BIL: 150 kV
Capacitor Bank Rating: 1 MVAR
Capacitance Rating: 0.7 µF
Rated Frequency: 60 Hz
Incoming: (3) Main Incoming power bus bars for internal power distribution with mechanical lugs that can accept up to 4 x 3/0-600MCM cables per phase
Load Break Switch: Included, (3) Joslyn Vacuum Load Break Switches Type VSV For Both Manual and Automatic Operation, w/ (1) Auxiliary Contact and (5) Pins in the Connector
Load Break Switch Rating: 600A Cont. and Load Break Current (600AF/100AT), 150 kV BIL, 25 kA Make and Latch Asymmetrical Current, 10000 OFF and 10000 ON Lifetime Switching Operations
Potential Transformer: Included, 12000-120 V, 1500 VA Rating, 100:1 Ratio, w/ (2) 1 A Primary Fuses (ABB Type CLE-PT, 6777C452 G08)
Current Transformer: Included, (1) Split core current transformer, CT is a multi-ratio with taps every 500A increment

Ratings

CSA Certified
UL Listed
Meets ANSI C57.12.28
NEMA 1 Rated for Indoor Use
Two Years Of Warranty
Made in the USA

Switching: Included, (5) Contactors for capacitor switching

Fuse(s): Included, *5) Fuse holders c/w J Type fuses for each step

Filter Reactors: Included, (5) 100kVAR @480V, detuned at 3.78th . Class H insulation and includes an overtemperature thermostat embedded in the center coil. Aluminum wound material

Forced Ventilation System: Included, (1)

Control Transformer: Included, w/ appropriate accessories

Power Factor Controller: Included, Lovato Model: DCRG8

Capacitor Units: (5) Capacitor assemblies 100kvar each @ 480V using high harmonic cells.

Operating Temperature: -40°C to +45°C

Humidity: 90%

Seismic Zone: Low, Complies with IEEE 693

Wind Load: TBD

Snow Load: TBD

Altitude: TBD

Lifting: Top four lifting points and bottom forklift holes are both available

Door: (3) Hinged Doors w/ Pad Lockable Handle

Enclosure Material: Steel

Enclosure Coating System: Primed with 3 mils of a polyamide epoxy Amercoat 385 and finished with 3 mils of an Amershield polyurethane

Enclosure Finish: Munsell™ 7GY 3.29/1.5 Bell Green

Cable Entry: Top cable entry design

Enclosure Type: NEMA 1 Ventilated, Free Standing Tamper-proof and Weather-proof

Mount: Pad Mounted/Floor Mounted

Pad Dimensions: 72" x 94"

Dimensions: 100"-W x 92"-D x 105"-H

Weight: 3,747.86 lbs

Shipping Dimensions: TBD

Shipping Weight: TBD

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.

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

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

The MPD-CPB-1MVAR-34500V-N1-M1 is an automatically/manually switched, pad-mounted power factor correction capable device designed for medium voltage applications in installations requiring precise maintenance of target power factor in a very small footprint. Unit includes cleared fuse indicator lights and manual on/off switching easily accessible on the front cover. Built-in controller (with optional communication capabilities) controls banks of contactor-connected capacitors.

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

Capacitor Bank Features: The MPD-CPB-1MVAR-34500V-N1-M1 is a Medium Voltage Three-Phase Pad Mount Capacitor Bank, 34500V, 1 MVAR.

Benefits: The MPD-CPB-1MVAR-34500V-N1-M1 from Larson Electronics meets or exceeds efficiency standards for United States and Canada. This results is overall lower cost of ownership throughout the life of the capacitor bank.

Safety: The MPD-CPB-1MVAR-34500V-N1-M1 is an automatic capacitor bank which means that it provides operators with an increased level of protection against electric shock and injury. A capacitor bank can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected.

Applications: Power Factor Correction.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, 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)

There are no Faqs

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/315104.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/315104.JPG)
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