

MPD-CPB-1.2MVAR-12KV-N4X-M1

1.2 MVAR Capacitor Bank - 12 kV Nominal Voltage, 3-Phase, NEMA 4X, Green

Product ID: 341427

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



Image: MPD-CPB-1.2MVAR-12KV-N4X-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-1.2MVAR-12KV-N4X-M1 Portable Capacitor Bank

Unit Type: Capacitor Bank, Internally Fused

Nominal Voltage Rating: 12 kV rms

Maximum Continuous Voltage: 15.5 kV rms

Capacitor Bank Rating: 1.2 MVAR

Per-Phase Capacitor Rating: 400 kVAR at 7,200 V

Rated Frequency: 60 Hz

System Connection: Ungrounded wye (floating neutral)

Short-Circuit Withstand Capability: 12,000 A RMS symmetrical

Minimum Capacitor Can Thermal Class: 65°C (149°F) continuous

BIL Voltage: 95 kV

Ratings

NRTL Listed Service Equipment

NRTL Listed to UL 1008

NRTL Listed to UL 98

NEMA 4X Rated for Indoor/Outdoor Use

Two Years Of Warranty

Made in the USA

Capacitors:

Rating: 400 kVAR/phase, 7,200 V, 95 kV BIL, 60 Hz, 2-bushing, all-film insulation

Connection: Wye, ungrounded (not grounded)

Bushings: Two, light gray wet-process porcelain, glazed; hermetically sealed to tank

Mounting: Stainless steel brackets, industry-standard centers for interchangeability; insulated from ground/case ground

Rack / Cross-Beams: Non-conductive fiberglass (pultruded fiberglass U-beams or equivalent) — HARD REQUIREMENT: metal cross-beams welded to or electrically contacting case ground are expressly prohibited and non-responsive

Bushing-to-Bracket Distance: 17 in ± 1 in (for future interchangeability)

Terminal Connectors: Parallel groove connector each bushing; accepts No. 8 solid to No. 1 stranded Al or Cu

Internal Discharge Resistor: Reduces terminal voltage to < 50 V within 5 minutes of disconnection

Internal Fusing: N/A, Capacitor cans shall NOT be internally fused

Fuses:

Capacitor Fuses (per phase): 15.5 kV, type NX, 80 A current-limiting; Cooper Cat. #155F080-I/I

Blown-Fuse Indication: Included, visible indicator while installed in mounting

PT (Source) Fuses: Current-limiting primary fuses

Spare Fuses: One spare of each type shipped with each unit

Fuse Compartment Barrier: Clear, shatterproof, non-hygroscopic acrylic between termination and component compartments; easily removable for fuse access

Phase / End Barriers: Minimum 3/16 in glass polyester

Switches:

Type: Solid dielectric vacuum, motor-operated with manual trip handle

System / Max Voltage: 6,930/12,000 V system; 15.5 kV max; 95 kV BIL

Continuous / Load-Break Rating: 200 A

Interrupting Duty: 1,200 kVAR three-phase capacitor bank reactive current

Mechanical Life: 10,000 on/off cycles at continuous and load-break rating

Control Voltage: 120 V AC

Access: Component compartment door, after barrier removal

Spacing: Minimum 15 in on center (hot-line-stick operation); maximum switch height < 5 ft

Operating Temperature: 15°F to 120°F

Humidity: 90%

Seismic Zone: Low, Complies with IEEE 693

Wind Load: 140 mph

Snow Load: 20 psf

Altitude: 3,300 feet above sea level

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

Door: (2) Hinged Doors w/ Pad-Lockable Handle

Enclosure Material: Galvanized Steel

Enclosure Finish: Munsell 7GY 3.29/1.5 Padmount Green

Enclosure Type: NEMA 4X Ventilated

Mount: Pad Mounted

Dimensions: 5.5 ft W × 5.5 ft D × 5 ft H

Weight: 3,500 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

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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

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Frequently Asked Questions (FAQ)

There are no Fags



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Export Control Classification Number (ECCN): EAR99

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