Larson Electronics LLC
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Phone: 800.369.6671

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MPD-EMC-R7-3P-YT-1.2KV-YT-400.5CT-N3R-M1

1.2 kV Electrical Metering Cabinet with CTs - 400A - 120/208V 3-Phase 4-Wire - Wall Mount, Outdoor Service, NEMA 3R

Product ID: 335080

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



Image: MPD-EMC-R7-3P-YT-1.2KV-YT-400.5CT-N3R-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-EMC-R7-3P-YT-1.2KV-YT-400.5CT-N3R-M1 Electrical Metering Cabinet (CT Cabinet)

Unit Type: Electrical Metering Cabinet (EMC)
Unit Configuration: CT Cabinet, Dry Type
Rated Frequency: 50/60 Hz
Phase: Three Phase

Ratings

Complies with ANSI / IEEE C57.13
Complies with ANSI / IEEE C57.13.6
Complies with ANSI / IEEE C57.13.2
Complies with ANSI / IEEE C57.13.5

CT Specifications:

Quantity: (3) Current Transformers
Rated Voltage: 120/208V AC, 3-Phase, 4-Wire
Voltage Class: 1.2 kV
Current Ratio: 400:5
Burden Rating: B0.1 – B0.5
CT Design Form: Solid Core, Window Type

PT Specifications (Provisions Only):

Primary Voltage: 120/208V AC, Wye-N
Primary Voltage Class: 1.2 KV
Secondary Voltage: As required
Secondary Voltage Class: 1.2 KV

Voltage Ratio: As required

Insulating Material: Air, Dry Type
Meter Socket: Provisions Only (Field Installed, if required)
Ground Pads: Included
Phase To Ground Compartment Barriers: Reinforced Insulation Barriers
Winding Material: Copper
Terminals: Tin-Plated Aluminum Lugs
Service Condition: Outdoor / Indoor
Altitude: N/A
Ambient Temperature Rating: N/A
Hardware Materials: Stainless Steel
Enclosure Class: NEMA 3R Weatherproof
Nameplate Materials: Corrosion Resistant Stainless Steel w/ Stainless Steel Screws or Rivets For CT & VT
Paint Color: Munsell™ 7GY 3.29/1.5 Bell Green
Mounting Provisions: Wall Mount
Lifting Provisions: Optional
Dimensions: Approx. 36" H x 24" W x 10" D
Weight: 661.4 lbs

Special Orders- 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

The MPD-EMC-R7-3P-YT-1.2KV-YT-400.5CT-N3R-M1 Electrical Metering Cabinet from Larson Electronics is designed for power utility and sub-metering applications in outdoor and industrial locations. This 400-amp unit is rated for 208Y/120V AC, 3-phase, 4-wire systems and is equipped with current transformers (CTs) for accurate monitoring of electrical usage. The robust design and low maintenance requirements make this cabinet an ideal solution for commercial facilities, service entrances, and power distribution systems.

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

Cabinet Features: The MPD-EMC-R7-3P-YT-1.2KV-YT-400.5CT-N3R-M1 is rated for 1.2 kV class systems and operates at 50/60 Hz. This unit includes (3) solid-core current transformers with a 400:5 ratio for reliable current measurement. The cabinet is constructed with durable materials to ensure long service life, high strength, and dependable electrical performance in demanding environments.

Insulation Fluid: The MPD-EMC-R7-3P-YT-1.2KV-YT-400.5CT-N3R-M1 is a dry-type metering cabinet utilizing air as the insulating medium, eliminating the need for liquid-filled components and reducing maintenance requirements.

Primary Connections: The cabinet includes line and load lugs suitable for copper or aluminum conductors. Terminals are tin-plated to enhance conductivity and resist corrosion. The layout is designed to allow safe and efficient routing of incoming and outgoing feeders.

Secondary Connections: This CT cabinet features accessible terminal blocks for CT secondary wiring. Optional shorting blocks and test switches can be included for safe maintenance and metering verification. The secondary compartment is isolated for operator safety and ease of access.

Mount: The MPD-EMC-R7-3P-YT-1.2KV-YT-400.5CT-N3R-M1 is designed for wall-mounted installation and can be installed in indoor or outdoor environments. The NEMA 3R enclosure provides protection against rain, sleet, and external contaminants.

Benefits: The MPD-EMC-R7-3P-YT-1.2KV-YT-400.5CT-N3R-M1 cabinet enables accurate energy monitoring and supports efficient power management. By providing reliable metering capabilities, this system helps operators track energy usage, improve system performance, and reduce operational costs over time.

Applications: Electric power distribution, commercial buildings, industrial facilities, service entrances, utility metering, load monitoring, energy management systems, and more.

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

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