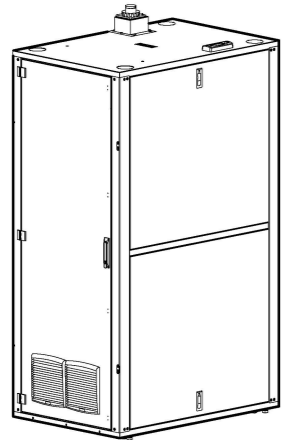
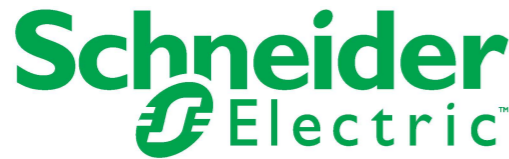




EcoStruxure™ Micro Data Center 42U R-Series Safety Instructions



MDC42USRSI
MDC42UARSIS



IMPORTANT SAFETY INSTRUCTIONS

Save these instructions. This Safety Information contains important instructions that should be followed during installation and maintenance of the MDC. It is intended for customers who set up, install, relocate, or maintain the MDC.

Follow the instructions in the *Installation Manual* to install your EcoStruxure Micro Data Center. Ensure that you read and understand all the specifications, installation instructions, and operating instructions for this product and any included products.

You can find product documentation on www.apc.com. Enter the part number/model number in the Search bar, navigate to the appropriate product page, and select the Documentation tab.

ASHRAE has published guidelines for owners of Edge computing equipment such as your MDC. (Edge equipment performs computing outside of a commercial data center with strict environmental controls.) It is recommended that you follow these guidelines to help prevent equipment damage and extend the life of your MDC. You can download the guidelines from:
www.ashrae.org/technical-resources/bookstore/datacomseries.

Adhere to all Warning labels on the unit, in this sheet and in the attendant manuals for the MDC and each device within the system. Follow all user instructions.

This product is not intended for use with life support or other designated "critical" devices.

The maximum load must not exceed that shown on the rating label.

Operate this product in an indoor environment at an ambient temperature of 10°C to 35°C (50°F to 95°F)

Keep the doors closed to minimize room air intrusion into the cabinet.

General Safety Information for the MDC

⚠️ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Ensure the cabinet is properly grounded to the building Common Bonding Network (CBN) according to local and national codes and guidelines.
- Grounding must be performed only by qualified personnel.
- Electrical equipment must be installed, operated, serviced, and maintained only by qualified and authorized personnel.
- Only certified electricians are authorized to connect power to the MDC.
- The MDC must be installed in accordance with the National Electrical Code and all applicable local codes.
- Perform appropriate Lock Out/Tag Out procedures during equipment installation.
- Remove incoming Main power upstream from the MDC before performing any work.
- The MDC does not incorporate a Main disconnect. Due to the use of the UPS, live power exists within the equipment when power is turned off at the input circuit breaker.
- Wear appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E.

Failure to follow these instructions will result in death or serious injury.

⚠️ WARNING

HEAVY EQUIPMENT/TIP HAZARD

- The MDC is easily tipped. Use extreme caution when unpacking or moving.
- At least two people are required to unload or move the MDC.
- Wear appropriate personal protective equipment (PPE) and follow safe work practices.
- Install the heaviest equipment first and toward the bottom of the MDC to prevent it from becoming top heavy.
- Do not extend more than one piece of equipment on sliding rails at a time.

Failure to follow these instructions can result in death or serious injury.

NOTICE

The ambient operating temperature of a closed or multi-unit rack environment may be greater than the ambient temperature of the room. Ensure the ambient operating temperature of your rack environment does not exceed the rated ambient operating temperature for your equipment.

Ground the MDC

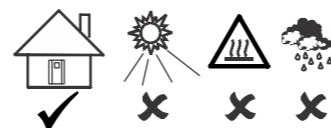
Connect the cabinet frame to the Building Common Bonding Network (grounding equipment not provided).

Use a Common Bonding Network Jumper kit (for example, Listed [KDER] Panduit® RGCBNJ660PY or equivalent).

Use paint-piercing washers between the ground terminal and the cabinet frame, or remove the paint on the frame under the ground terminals, per NEC NFPA 70 Article 250.12.

Torque the screws to 6.9 Nm (60 lb-in).

Storage

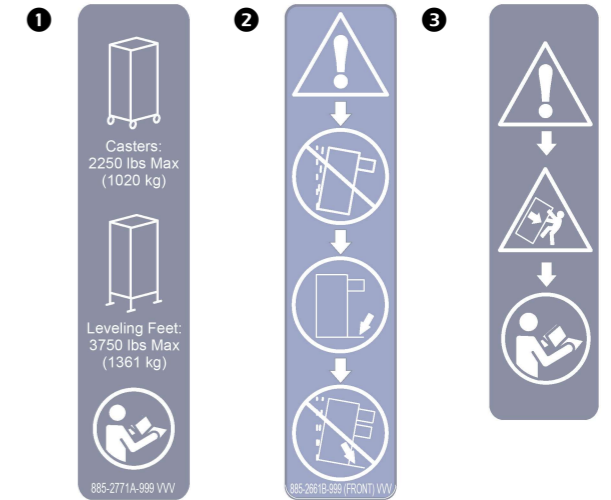


NOTICE

Leaving the MDC uncovered and exposed to the elements will cause damage and void the factory warranty.

Labels on the MDC

- 1 Observe the load restrictions for the MDC. Dynamic load is limited to 2250 lbs. This is the maximum load for moving the MDC on its casters. The Static load is limited to 3750 lbs. This is the maximum load for the MDC while the unit is resting on its leveling feet.
- 2 Only one shelf or piece of equipment on sliding rails should be extended at a time.
- 3 Generic tip hazard notification. Be sure to read all of the instructions for the equipment.



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Customer support and warranty information is available at www.apc.com

Worldwide Customer Support