

RB46 Radio & Battery Cabinet



The RB46 Radio & Battery Cabinet is intended for use in an outside plant environment to provide 31.5 inches (800 mm) of rack space for enterprise electronics. This cabinet will provide environmental protection for electronics in an outdoor environment using AC utility power. The cabinet includes an air conditioner to maintain internal cabinet temperatures near a range from 77° F to 104° F (25° C to 40° C).

Cabinet Design

Designed specifically for the outdoor plant environment, the RB46 Radio & Battery Cabinet enclosures optimize heat transfer, environmental protection, and ease of installation and maintenance. Each cabinet is assembled, completely wired, and system tested at the factory to provide the highest standards of quality and quick trouble free installation.

The RB46 Radio & Battery Cabinet is manufactured with all corrosion resistant materials. One-eighth inch thick aluminum is used for the cabinet body and the majority of the cabinet components. Aluminum was selected because of its strength, durability, fire resistance, corrosion resistance, and heat transfer characteristics, which are essential for outdoor applications. A polyester powder paint finish is electrostatically applied to all cabinet surfaces to produce an extremely durable, high-quality finish and attractive appearance.



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Features

The RB46 Radio & Battery Cabinet design meets all functional and performance requirement of USA standard and includes several attractive features:

- Heavy-Duty Aluminum Construction
 - Corrosion, weather, fire, and vandal resistance protection.
 - Provides for adequate hydrogen ventilation meeting Telcordia requirements.
- Cooling Device Heat Management System
 - Maintains Cabinets temperatures near 77°F to 104°F (25°C to 40°C)
 - Automatically shuts down when temperatures exceed define parameters, and AC Voltage parameters
 - Reliable, low maintenance, safe solution.
- Factory Assembled and Tested
- Electrostatically Applied, Baked on Polyester Finish
 - High-quality durable finish
 - Attractive appearance.
- Cost-Effective Enclosure Design
 - Ideal for large-scale deployments.



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Construction and Finish

The RB46 Radio & Battery Cabinet features include:

- Rugged heavy-gauge aluminum construction
- Weather, fire, vandal, and corrosion resistant
- Durable baked on polyester powder paint in gray color
- High-gloss smooth finish that is easy to clean and minimizes accumulation of soot
- Aesthetically pleasing to enhance public acceptance.
- Security:
 - All door latches can be secured using a padlock
 - A special hex key is required to open all doors
 - Intrusion alarm.

Environmental Controls

The RB46 Radio & Battery Cabinet is equipped with an air conditioner to provide operational temperatures from the electronics in warmer climates.

- Cooling
 - The air conditioner (A/C) is installed on the front door. The capacity of the A/C is 6,000 BTU.
- Heating
 - AC has 1200W heater–93 W heaterpad for batteries.

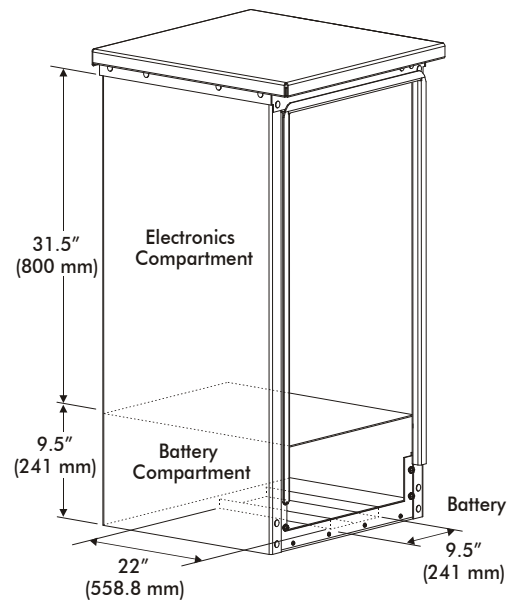
AC Panel

The RB46 Radio & Battery Cabinet includes AC distribution panel that uses two 120 VAC feeds.

Cabinet Physical Attributes

Cabinet Dimensions and Weight

- The overall dimensions and weight of the RB46 Radio & Battery Cabinet are:
 - Cabinet Dimensions:
Est. 26.25" (666 mm) W x 37" (939 mm) L x 46" (1168 mm) H
 - Cabinet Weight: Est. 500 lbs. (227 Kg)



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