

PRODUCT  
SPECIFICATION



Reduce operating costs while providing fully integrated equipment protection

## RBA84 Radio Battery Auxiliary Cabinet

**T**he RBA84 is an outdoor electronic cabinet that protects a wide range of electronic equipment including radio, multicarrier power amplifiers (MCPA), power, battery, and wireless cell site backhaul equipment.

This wireless cabinet protects base station equipment from environmental conditions while minimizing operating expenses and energy consumption. The flexible modular cabinet supports either 19 inch or 23 inch racks and offers a wide range of cooling options including:

- Positive pressure direct air cooling through a mesh filter or a hydrophobic filter
- Heat exchanger
- Thermoelectric cooler (TEC)
- Conventional air conditioning

**Reduce Operating Expenses (OPEX).** The TEC is an innovative hybrid cooling system that provides significant utility power savings over conventional air conditioners.

**Reliable Solution.** The TEC offers much greater reliability over conventional air conditioners—in the field the TEC has over 7.9 million hours of failure free operation.

**Less Maintenance.** TECs do not require refrigerant, filters, or expensive annual maintenance checks.

**Flexible Design.** Supports a wide range of radio, battery, power, MCPA and wireless cell site backhaul equipment from multiple suppliers. The modular design allows operators to purchase based upon today's requirements allowing room for future growth.

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**Energy Efficient.** Cabinet utilizes variable speed fans that minimize noise and reduce power consumption.

**Better Protection.** Positive pressure cooling system maximizes moisture protection offering unparalleled protection for sensitive electronic equipment. The hybrid cooling system can be configured to target specific areas of the cabinet, instead of across the entire enclosure, minimizing operating expenses and providing better equipment protection.

**User Friendly.** In addition to the front access hinged door and the rear hatch, the RBA84 offers convenient ac outlets, laptop trays, and cup holders as optional accessories.

**Time to Market.** The universal common platform provides cost and lead time advantages.

**Easy to Install.** Equipment can be fully integrated into the cabinet at the factory, reducing installation, transportation & inventory carrying costs. Easy access to equipment simplifies installation and maintenance.

**Field Proven.** Environmentally rugged powder coat paint virtually eliminates the need for cabinet maintenance.

**Standards Compliant.** Fully compliant to environmental and reliability requirements—GR-487 (Zone 4 Seismic, Wind Driven Rain, Vibration, Drop, Thermal, and UL50).

Cabinet Type:	RBA84	RBA84-36	RBA84-2X
Footprint, in.....	30 x 30.....	36 x 30.....	60 x 30
Width, in.....	30.....	36.....	60
Height, in.....	84.....	84.....	84
Depth (pad foot print), in.....	30.....	30.....	30
Depth (with door), in.....	39.....	39.....	39
Available rack space.....	44RU.....	44RU+.....	88RU+
Max battery strings, amp-hr for -48 Vdc.....	900.....	1080.....	1800
Max battery strings, amp-hr for +24 Vdc.....	1800.....	2160.....	3600
<b>Cooling Options</b>			
Direct air cooling.....	X.....	X.....	X
Heat exchanger.....	X.....	X.....	X
Air conditioned.....	X.....	X.....	X
Thermoelectric cooling.....	X.....	X.....	X



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