

Power

Radium MiniBay XRT

Extended Runtime for Wireless Outdoor Base Stations



- Houses up to 3 strings @ 48V or 6 strings @ 24V of batteries in a single, secure cabinet solution.
- Environmentally-controlled outdoor enclosure.
- 48VDC powered 2500BTU air conditioner extends battery life expectancy.
- Individual DC breaker disconnects for battery string isolation and maintenance.
- 7" riser to facilitate cable management. Optional 14" riser available.
- Front and rear accessibility with optional battery low voltage disconnect.

The Radium MiniBay XRT battery enclosure is an innovative environmentally-controlled outdoor enclosure that provides extended runtime. Service providers will save money and valuable lease space with this cabinets ability to house up to three 48V strings or six 24V strings. Inside the Radium MiniBay XRT's rugged exterior, optimal battery temperature is maintained with an integrated solar shield, heater-mats and door-mounted high efficiency DC air conditioner. A solid frame and a non-corrosive, welded aluminum shell, ensures the Radium MiniBay XRT's structural integrity. The exterior is fully protected with security switches, pad-lockable doors, and intruder alarms. The Radium MiniBay XRT enclosure is a fully integrated enclosure that is a wireless operator's best choice for outdoor battery extended runtime applications.

General Specifications

Electrical	
DC Input Voltage	24V or 48V
AC Input Voltage*	120V
DC Output Voltage	24V or 48V
Recommended Feeder Breaker	15A delay breaker

Environment:	
Outdoor Temperature	-40°C to +50°C

Agency Compliance:	
CSA:	Pending
Cabinet:	NEMA 3R (UL50)
Seismic:	Zone 2 requirements

Related Components:	
Heating:	heater mats
Cooling:**	2500 BTU air conditioner

Alarm	
Connection:	Terminal block
Description:	High/low temp Intrusion

DC Connections	
Positive and negative	
Bus bars located in bottom rear of cabinet	

Security	
Padlockable doors	

Mechanical Specifications

Cabinet	
Aluminum shell with powder coat finish	
Width (mm / in)	762 / 30
Height (mm / in)	1295 / 51
Depth (mm / in)	1016 / 40
Weight (empty) (kg / lbs)	156 / 345
Weight (full) (kg / lbs)***	870 / 1917

Battery Shelf	
Steel internal battery shelving	
Width (mm / in)	543 / 21.4
Height (mm / in)	76 / 3.0
Depth (mm / in)	579 / 22.8

Notes:
 * AC service supports door activated lighting and battery heater mats.
 ** 2,500BTU at 50°C outdoor ambient and 13% relative humidity. An optional second air conditioner is available for 5000 BTU applications. BTU ratings can be increased with lower temperature requirement.
 *** Runtimes and weight based on TEL12-150FT battery. Different manufacturers' runtimes will vary.

Current Discharge Ratings Table in Amps (end Voltage 1.75VPC)***

Hours	1	2	3	4	5	6	7	8
3 strings	300	183.6	129.6	101.7	84.5	72.3	63.3	56.7
2 strings	200	122.4	86.4	67.8	56.2	48.2	42.2	37.8



Radium MiniBay XRT with door mount DC air conditioner



Radium MiniBay XRT with alarmed battery breakers



Radium MiniBay XRT three 48V strings and LVD

Please contact your Alpha sales representative for more information.