



ZipBox™ BSEZB-48-4000

Power Cabinet for Wireless Telecom Sites

Overview

Battery Street Energy designs, manufactures and integrates DC power solutions for telecom sites, ideally suited to meet the evolving power needs of rapidly updated technologies and deployment methods. LTE and other 4G technologies allow smaller, lighter radio cabinets with correspondingly smaller footprints and lease areas, but power systems have not evolved to match this. The ZipBox™ solves this problem by enabling rapid deployment in smaller spaces.

ZipBox™ can be mounted on a wall, H-frame, plinth, pole or other cabinet, using standard hardware or the fast Click-Bond bolt mounting option. ZipBox™ replaces heavy, bulky old technology power systems and is ideal for rooftop sites and other space and weight-constrained locations.

Applications

The ZipBox™ houses all the components required for your wireless telecom power system, including AC breaker, rectifier, DC distribution, DC disconnect, battery and battery management system, in a lightweight, outdoor weather-resistant enclosure that can be mounted almost anywhere. Correct operating temperatures are maintained by direct-air cooling.

Long-Life, No Maintenance

Backup is provided by the Telecel® BSE24-7B100 LiFe battery, which lasts up to 10 times longer than a lead-acid battery and requires no maintenance.

Features

- ❖ Wide operating temperature
- ❖ DC power and battery backup
- ❖ Long-life battery
- ❖ Lightweight
- ❖ Compact
- ❖ Easy power connections
- ❖ No maintenance
- ❖ 7U available for customer auxiliary equipment (router, LMU etc.)

Electrical Specifications and Performance		
Input Voltage	108-132 VAC, 240 V AC, 50-60 Hz	
Recommended AC Breaker	40 amps	Depending on equipment load
Output Power	4000 W (85 amps at 48 VDC)	Other voltage and power specifications available on request
Output Voltage	40.0 to 57.0 VDC	
DC Distribution	1@10 amps (auxiliary equipment) 1@75 amps (radio equipment) 1@85 amps (battery charge)	Can be factory configured to suit application
Battery Backup	2 @ Telecel® BSE24-7B100	Long-life lithium ferrous phosphate battery
Battery Capacity	4992 Wh (104 Ah at 48 VDC)	Higher battery backup capacity can be provided upon request
Battery Backup Run Time	3.3 hours (at 1500 W load) 2 hours (at 2500 W load)	
Battery Re-Charge Time	30 minutes* depending on equipment load	*Assumes typical power outage of 20 minutes with equipment load of 2500 W

Physical Specifications		
Dimensions	39.5" H x 26.0" W x 12.0" D (1000mm H x 660mm W x 305mm D)	Other sizes available on request
Weight	Approximately 165 lb (75 kg) fully loaded	
Clearances	Front, Sides, Below: 2 inches (51 mm)	

Environmental Specifications		
Operating Temperature	-40°C to +45°C (-40°F to +113°F)	Internal equipment operates to +65°C (+149°F)
Humidity	5% to 90% RH	
Altitude	12,000 feet AMSL (3,657 meters AMSL)	
Cabinet Rating	NEMA 3R	Install outdoors. Indoor systems can be provided upon request

Specifications are subject to change without notice



Battery Street Energy, Inc.
www.batterystreetenergy.com