



DAS cube™ BSEDC-48-1000

Power Cabinet for DAS, WiFi, WiMAX

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. Distributed Antenna Systems (DAS) enable carriers to expand and improve coverage in residential and historical areas while meeting stringent zoning and housing association regulations. However, locating on utility poles and other existing, non-invasive infrastructure, entails severe space and weight limitations. DAS cube™ provides a lightweight, compact power and back-up solution for DAS deployment, WiFi, WiMAX and other low-power, low-impact telecom sites. Housing a complete AC-DC power solution in a single box, DAS cube™ mounts independently or inside another enclosure.

Applications

The DAS cube™ houses all the components required for your power system, including AC breaker, rectifier, DC distribution, DC disconnect, battery and battery management system, in a space not much bigger than a shoebox, weighing about 27 pounds. This makes it ideal for installations where space and weight are critical factors.

Long-Life, No Maintenance

Backup is provided by the Tecelel® BSE48-14W20 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

Electrical Specifications and Performance		
Input Voltage	108-132 VAC, 50-60 Hz	
Recommended Breaker	6 – 12 amps	Depending on equipment load
Output Power	960 W (20 amps at 48 VDC)	Other voltage and power specifications available on request
Output Voltage	42.0 to 57.0 VDC	
DC Distribution	1@2 amps (battery charge) 3@6 amps (equipment)	Can be factory configured to suit application
Battery Backup	Tecelel® BSE48-14W20	Long-life lithium ferrous phosphate battery
Battery Capacity	960 Wh (20 Ah at 48 VDC)	
Battery Backup Run Time	3 hours (at 300 W load) 1.5 hours (at 600 W load)	
Battery Re-Charge Time	3 hours (typical)* 20 hours (from 100% discharge)	*Assumes typical power outage of 20 minutes with equipment load of 400 W

Physical Specifications		
Dimensions	16.0" H x 12.0" W x 6.0" D (406 mm H x 305 mm W x 152 mm D)	Other sizes available on request
Weight	Approximately 27 lb (12 kg)	
Clearances	Front, Sides, Below: 2 inches (51 mm)	

Environmental Specifications		
Operating Temperature	-40°C to +55°C (-40°F to +131°F)	
Humidity	5% to 90% RH	
Altitude	12,000 feet AMSL (3,657 meters AMSL)	
Cabinet Rating	NEMA 3X	Install inside weather-resistant enclosure or indoors

Specifications are subject to change without notice



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