

Alber

Trust Your Batteries™

BCT-2000 Series

Proper load testing is the only way to determine where the battery resides on its expected life curve. The BCT-2000 capacity test system will test any battery in service today. The BCT-2000 performs a capacity test using a programmed constant current or constant power load and an integrity test using a high current momentary load, allowing identification of weak cells and conduction paths. The data acquisition module acquires all cell voltage, overall string voltage, and current readings.

Advantages and Features

- Compatible with the earlier BCT-1000
- Available in 128 cell and 256 cell versions
- Laptop computer data logging unit provides the display and programming parameters for the test



CLU
Continuous Load Units

CLU Continuous Load Units

The Continuous Load Unit provides the load during a capacity test. It may be used with the BCT-2000, the BDS monitor or stand alone with the Manual Control Box. The Load Units can be ordered in standard configurations or be tailored to individual customer needs. Configuration and design of the resistive elements enable the user to adjust the load in small increments through the entire test system capacity.

Advantages and Features

- Mounted on lockable, hard rubber casters for portability
- Computerized control secures safe testing.
- Standard units are available from 21VDC to 270VDC

**Technology that lets you
Trust Your Batteries™**

For more information, log on to
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BCT-2000 Series Specifications

Electrical

Input	Number of Channels	Range	Accuracy
Cells	Up to 256	0 to 20V	0.1% of reading \pm .01V
Overall Volts	1	0 to 600V	0.1% of reading \pm .2V
Current	1	0 to 4000A	0.1% of reading \pm 1AMP
Power Consumption:	BCT-2000/128 – 65 Watts Maximum BCT-2000/256 – 75 Watts Maximum		
Voltage:	120 VAC 60HZ or 220 VAC 50HZ		

Alarms

Alarms	Warning	Shutdown
Cell	0 to 20V	0 to 20V
Overall Volts	0 to 600V	0 to 600V
Current	N/A	Failure to control within 20 seconds
Intertiers	0-2000 mV	N/A
Hardware	N/A	Immediate

Data Logging

Input	Data Points stored at reading changes of
Cell	5 mV
Overall Volts	200 mV for std; 500 mV for charger
Current	200 mA for std; 500 mA for charger
Intertiers	10 mV

Dimensions

	Wide	Deep	High	Weight
BCT-2000/128	12.265"	15.75"	6.54"	27 lbs.
BCT-2000/256	21.020"	17.75"	6.54"	38 lbs.

Warranty

Full one year from date of purchase

*Specifications subject to change without notice
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CLU Continuous Load Units Models and Specifications

Model	Voltage Range				Dimensions	
	21–26	42–52	105–135	210–270	Inches	Pounds
1 N	225A	450A	1200A	600A	52Hx28Wx73L	850
2 N	175A	350A	900A	450A	43Hx28Wx61L	475
3 N	450A	900A	600A	–	43Hx28Wx49L	400
4 N	110A	225A	600A	300A	43Hx28Wx49L	400
5 N	230A	475A	300A	–	43Hx28Wx41L	300
6 N	50A	120A	300A	150A	43Hx28Wx41L	300
7 N	600A	300A	–	–	23Hx22Wx29L	95
8 N	75A	150A	100A	–	23Hx22Wx29L	90
8 NS	112A	225A	150A	–	23Hx22Wx29L	115

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Battcon International Battery Conference
Visit www.battcon.com for details.