

BCT-2000 SERIES AND CLU CONTINUOUS LOAD UNITS



FEATURES

BCT-2000 Series

- Available in 128 cell and 256 cell versions.
- Optional computer data logging unit provides the display and programming parameters for the test.

CLU Continuous Load Units

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

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.



BCT-2000 Series Battery Capacity Test Systems

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.



CLU Continuous Load Units

BCT-2000 Series Specifications

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

*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	1000
2 N	175A	350A	900A	450A	43Hx28Wx61L	550
3 N	450A	900A	600A	-	43Hx28Wx49L	500
4 N	110A	225A	600A	300A	43Hx28Wx49L	500
5 N	230A	475A	300A	-	43Hx28Wx41L	400
6 N	50A	120A	300A	150A	43Hx28Wx41L	400
7 N	600A	300A	-	-	23Hx22Wx29L	95
8 N	75A	150A	100A	-	23Hx22Wx29L	90
8 NS	112A	225A	150A	-	23Hx22Wx29L	115

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