

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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