



Advanced Battery Testing System

By all imagination, the Cadex C8000 may well be the most complete battery testing system available



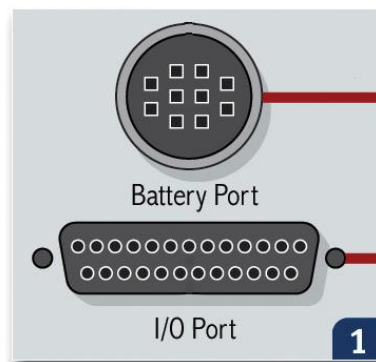
The **Cadex C8000** stands in a class by itself in flexibility and affordable price. Test SMBus batteries, monitor cell balance and capture load signatures to observe batteries with a unique load protocol. Add a thermal chamber, external load bank, safety circuit and alarms to form a command center.

- 4 independent digital drivers for maximum flexibility
- 1.2 – 36V, 10A charge and discharge per channel
- 100W per channel on charge; 80W on discharge

Digital Advantage

Digital technology delivers a large test range and high power in a compact housing without the need to buy extra modules. Isolation is improved as neighboring channels do not interfere.

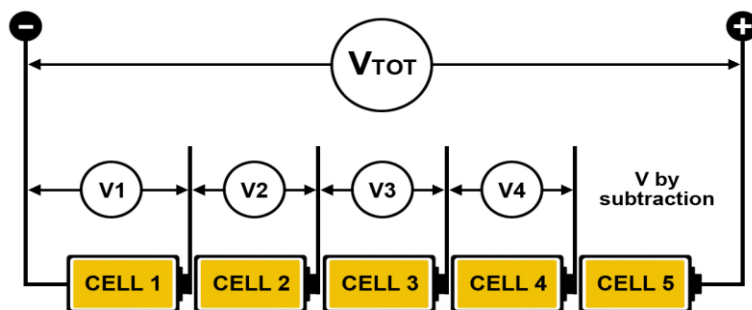
Each of the four channels delivers 10A charge and discharge with a combined power of 400W on charge and 320W in discharge.



Battery Port
 Battery positive (+)
 Battery negative (-)
 Sense positive (+)
 Sense negative (-)
 Thermistor input
 Thermistor ground (-)

I/O Port
 4 differential analog inputs
 2 analog outputs
 4 digital inputs / outputs
 SMBus, clock, data

Algorithms include multiple safety redundancies. Identifies faulty battery and terminates service.



Monitoring individual cells

Four differential (floating) analog inputs enable voltage check of up to 5 cells; 4 direct and one by voltage extraction.

Load Capture

With the *Load Capture Unit*, the Cadex C8000 captures load signatures and plays them back as a simulated load protocol to check battery runtime in the lab.



External Load Bank

For higher load current discharges, you can connect the C8000 to a designated external load bank, enabling loads of up to 2,400 watts and 48 volts. (Supported on one channel only).



Dual Power Port Cable

The *Dual Power Port Cable* ties two channels together to double the current from 10A to up to 20A. (Discharge only)

Smart Battery Testing

The Cadex C8000 reads the register settings of SMBus batteries to verify function use and identify anomalies.



Load test

The Cadex C8000 tests batteries under GSM, DMA and other discharge protocols. Programming is in 50 μ s intervals with a minimum setting of 500 μ s.

Lifecycle test

The program assists in battery selections and incoming inspections. The automated tests offer safety redundancy.



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ISO 9001

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