



THE ANDRITZ BITRODE DIGITAL CYCLER

The ultimate battery testing solution
for high-capacity cells.

UNLEASH NEXT-LEVEL BATTERY TESTING

The ANDRITZ Bitrode Digital Cyclers™, also known as the BTDC™, features high-performance, fully regenerative hardware. It delivers high energy efficiency, exceptional accuracy ($\pm 0.02\%$ current, $\pm 0.015\%$ voltage), and fast output with a low signal-to-noise ratio. Backed by over 70 years of Bitrode reliability, the BTDC™ is engineered for modern labs that demand speed, precision, and durability.



ANDRITZ

COMPACT, MODULAR, UNSTOPPABLE

The BTDC™ is engineered with a modular, compact design that will maximize power density without sacrificing performance. Each cabinet can house up to 28 independent circuits, allowing for flexible, high-throughput testing in a smaller footprint. Its smart layout ensures efficient cable management and airflow, reducing thermal stress and maintaining consistent operation even during high-current cycling. Designed for advanced battery testing, the BTDC's precision circuitry delivers accurate current and voltage control, while its robust build supports a wide range of applications—from cell-level R&D to large-scale validation testing.



RELIABILITY

Trusted worldwide for dependable “bulletproof” battery testing performance.

CIRCUIT PARALLELING

Optimize your lab capability up to 2400A for higher current testing.

FULLY MODULAR

Easy removal of individual modules for hardware servicing without disturbing the other power-modules.

INTERNAL BACKUP PROTECTION

Safeguarding data in the event of a temporary power or network outage.

BTDC CONFIGURATIONS

Current Options	Amperage (High/Low)	Voltage Resolution	Circuits	Current Resolution
Configuration 1	300/30 Amp	-6V/+6V 0.1 mV	4/module 28 Max	5mA/1mA
Configuration 2	100/10 Amp	-6V/+6V 0.1 mV	4/module 28 Max	5mA/1mA
Configuration 3	300/30 Amp	-20V/+20V 0.5 mV	2/module 14 Max	5mA/1mA
Configuration 4	100/10 Amp	-20V/+20V 0.5 mV	4/module 28 Max	5mA/1mA

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