

MACCOR

SERIES 6500

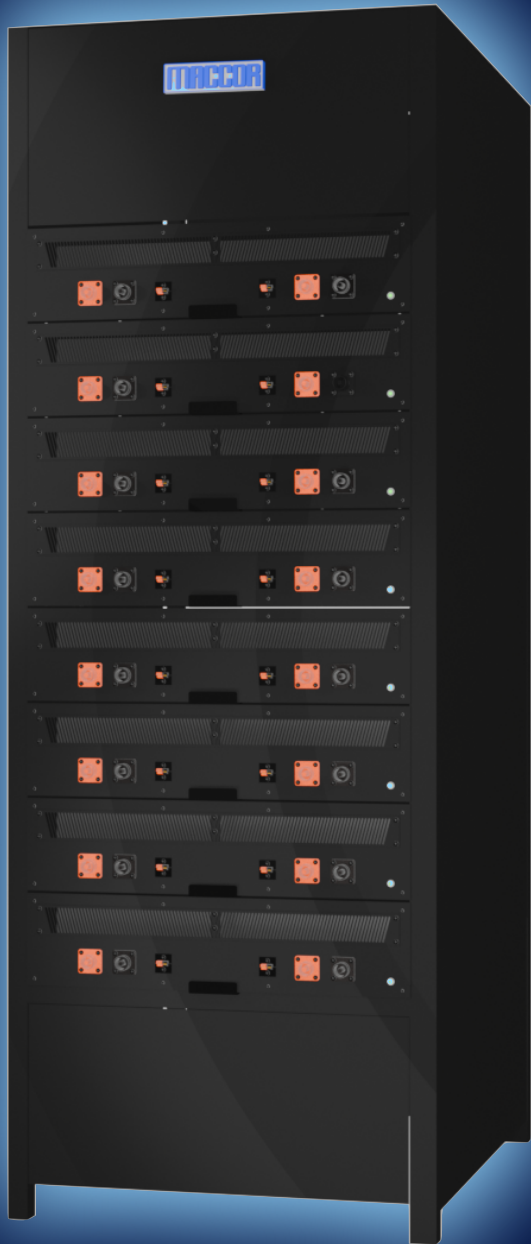
High-Performance Regenerative
Battery Test System



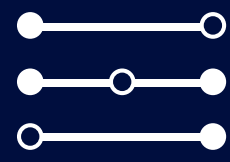
Fast Dynamic Response
< 1 ms response for dynamic testing



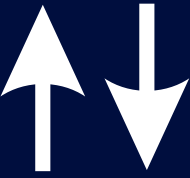
Regenerative Energy Recovery
Up to 90% energy recovery efficiency



200A/400A
CHARGE / DISCHARGE
PER CHANNEL



3 RANGES
200 A / 20 A / 2 A
400 A / 40 A / 4 A

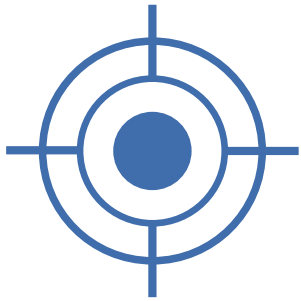


< 2.5ms
SWITCH TIME



UP TO 16 CH
per cabinet

ENGINEERED FOR RESULTS



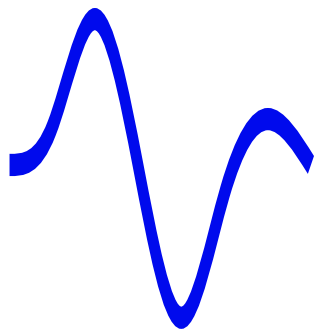
High Accuracy Measurement

High-accuracy
measurement
control
and reporting
for better
data quality



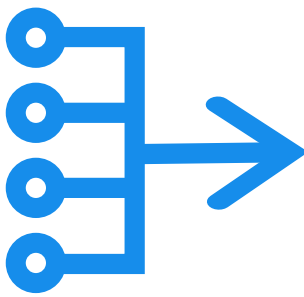
Universal Platform

Platform
agnostic
battery testing
for emerging
chemistries



Waveform Streaming

Real-world
profile
simulation
for improved
battery
performance



Parallel Channels

Parallel
2 or 4
channels
for higher
current
testing

IDEAL FOR A WIDE RANGE OF APPLICATIONS



CELL DEVELOPMENT

Accelerate battery development



RESEARCH

Support advanced energy research



DRIVE CYCLE SIMULATION

Perform real-world testing



PRODUCTION TESTING

Improve throughput and efficiency



VALIDATION TESTING

Verify performance and durability



2 CH, 2 kW Module



ENGINEERED IN THE USA
Built with quality and reliability
you can trust



TOMORROW STARTS HERE
Seamlessly supports future
chemistries



GLOBAL SUPPORT
Expert support and service
around the world



maccor.com



sales@maccor.com

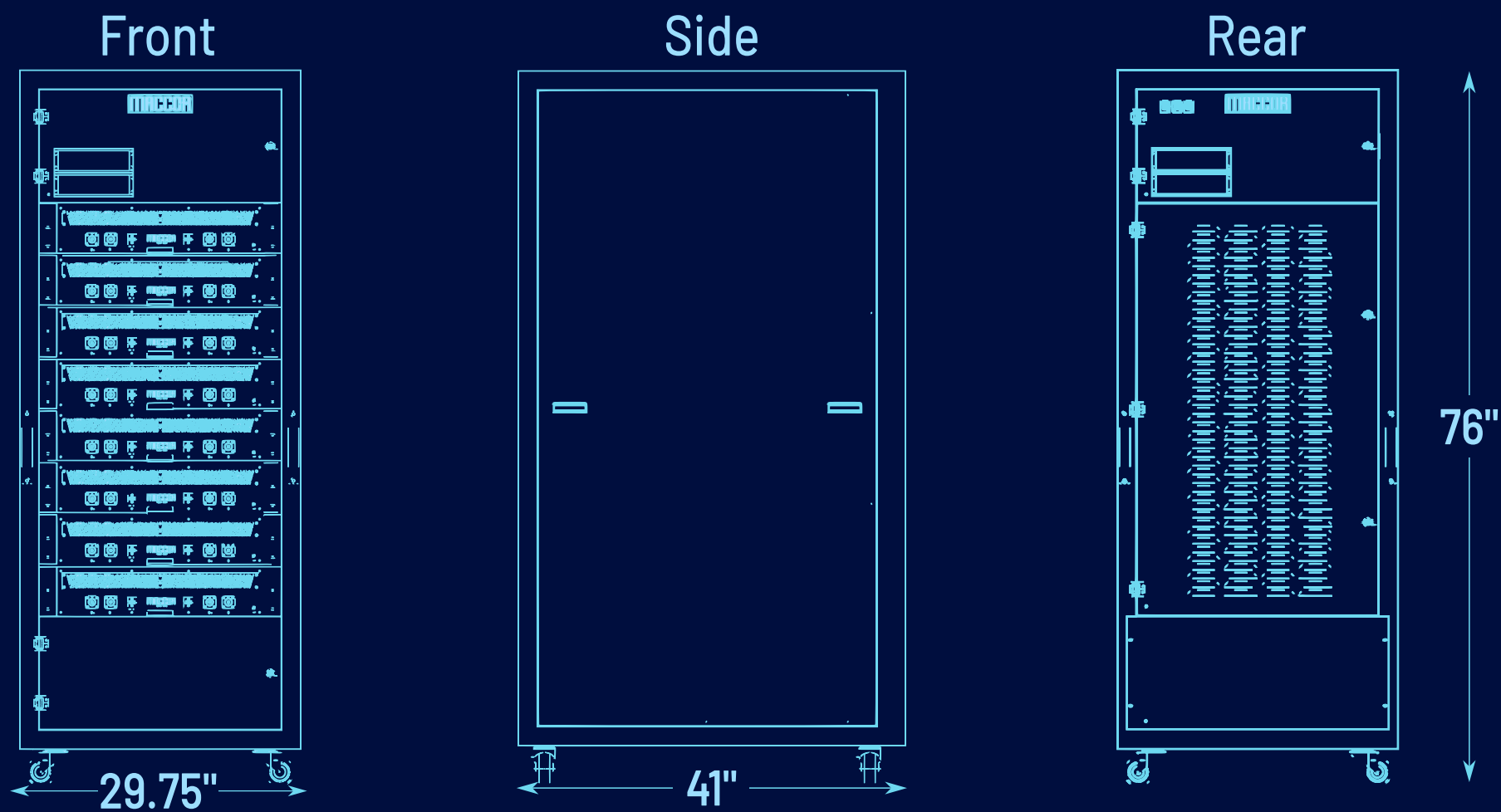


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YOUR
BLUEPRINT
FOR
SUCCESS!



CHANNEL SPECIFICATIONS

Parameter	Specification
Channel Current Range	200A/400A Charge / Discharge
Minimum Control Current	10 mA
Current Ranges (Multi-Range)	200A / 20A / 2A 400A / 40A / 4A
Current Accuracy	±0.025% FS of Range
Channel Voltage Range	0 to 5 V
Minimum Discharge Voltage	0 V
Voltage Accuracy	±0.02% FS (±1 mV)
Maximum Power Discharge/Charge	1 kW/2 kW

TIMING AND CONTROL

Parameter	Specification
Charge↔Discharge Switch Time (80% to 80%)	< 2.5 ms
Rise Time 10% to 90% (Charge / Discharge)	< 1 ms
Control / Adjust / Measure Interval	175 us / 175 us / 1 ms

POWER & SYSTEM

Parameter	Specification
AC Input	208 - 220 VAC 1Ø or 3Ø
Cooling	Air - Front to Rear
Regenerative Discharge	Yes
Efficiency	Up to 90%
Max Channels per cabinet	16
Interface Connections	Phoenix
Approximate Cabinet Dimensions (16 ch)	40"D x 25"W x 74"H

MIMS SOFTWARE SUITE

The system includes comprehensive, full featured software that is intuitive and easy to use, enabling efficient test management and data analysis. All applications are provided standard with the system at no additional cost. The software suite supports complete workflow integration from test creation through data analysis and reporting.



BUILD TEST

Provides a grid-based, menu-driven interface for creating and editing custom test procedures and protocols.



VIEW DATA

Displays and analyzes test data in real-time or post-test using spreadsheet and graphical visualization formats.



EXPORT

Exports test results in Excel or text format to facilitate data sharing and integration with external analysis tools.



MIMS CLIENT

Delivers statistical analysis and data visualization capabilities for comprehensive evaluation of test performance and results.



MIMS SERVER

Automatically collects and backs up data from multiple test systems across a network for centralized data management and security.

