

MACCOR

SERIES 6600

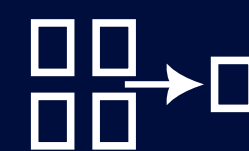
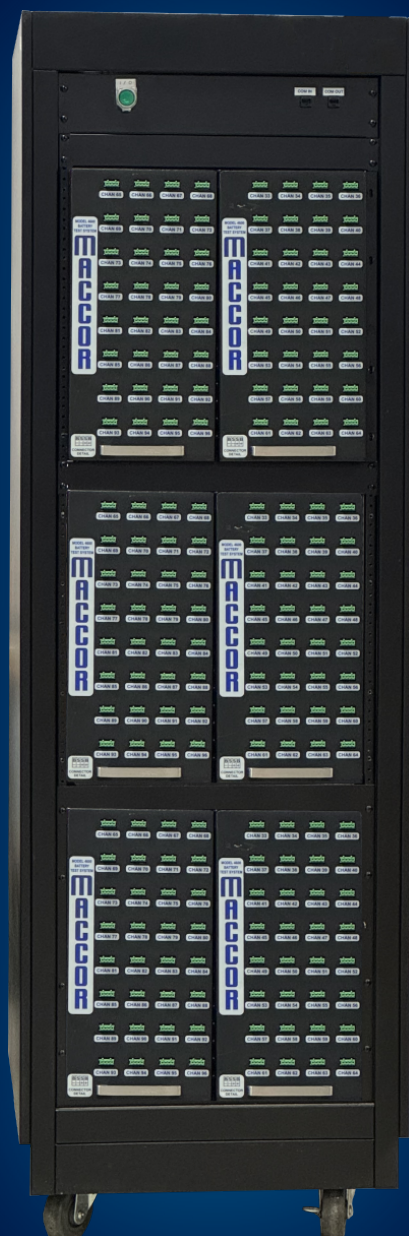
HIGH-DENSITY BATTERY
TEST SYSTEM



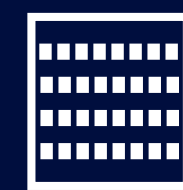
Increase Channel Count.
Zero Performance Compromise



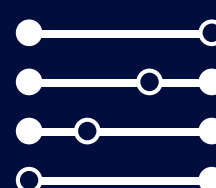
Modular by Design: Painlessly
Expand Your Capacity



4 TIMES
CHANNEL DENSITY



32 CH
PER MODULE

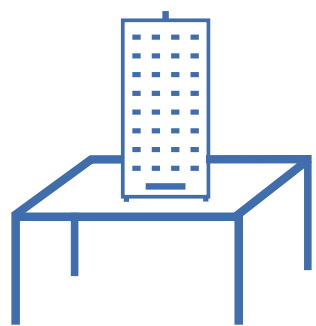


4 RANGES
PER CHANNEL



20 ms
STEP TIME

ENGINEERED FOR RESULTS



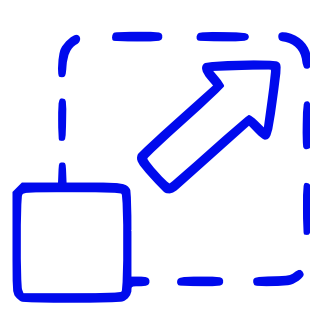
Desktop Form Factor

Compact
benchtop
performance
design reclaims
valuable lab
and floor
space



Full-Featured Software Suite

Comprehensive
software suite
provides real-
time monitoring
data analysis,
and data
management



Scalable Architecture

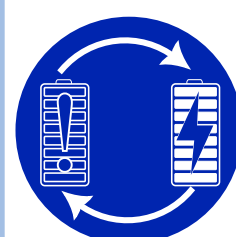
Easy
expansion
as testing
requirements
grow

IDEAL FOR A WIDE RANGE OF APPLICATIONS



CELL DEVELOPMENT

Evaluate new cell designs and chemistries early
with precise, parallel testing that accelerates
R&D iteration.



LIFECYCLE TESTING

Perform reliable battery life cycle testing to
evaluate longevity, degradation, and performance
over thousands of cycles.



CONSUMER ELECTRONICS

Evaluate and compare battery technologies,
chemistries, and suppliers to confidently select
the optimal power source for your next consumer
electronics product.

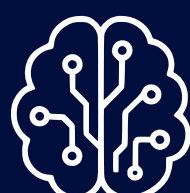


NEXT-GENERATION BATTERY RESEARCH

Develop next-generation battery cells with
precise control, flexible test profiles, and
high-accuracy measurements.

SETTING THE STANDARD

Trusted by researchers and innovators worldwide,
Maccor is the industry standard for advanced
battery testing systems. Our precision-engineered
systems deliver uncompromised quality and
performance. Unpack, connect, and start generating
accurate, repeatable results from day one—zero
setup delays, maximum impact. Built for
breakthrough discoveries.



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



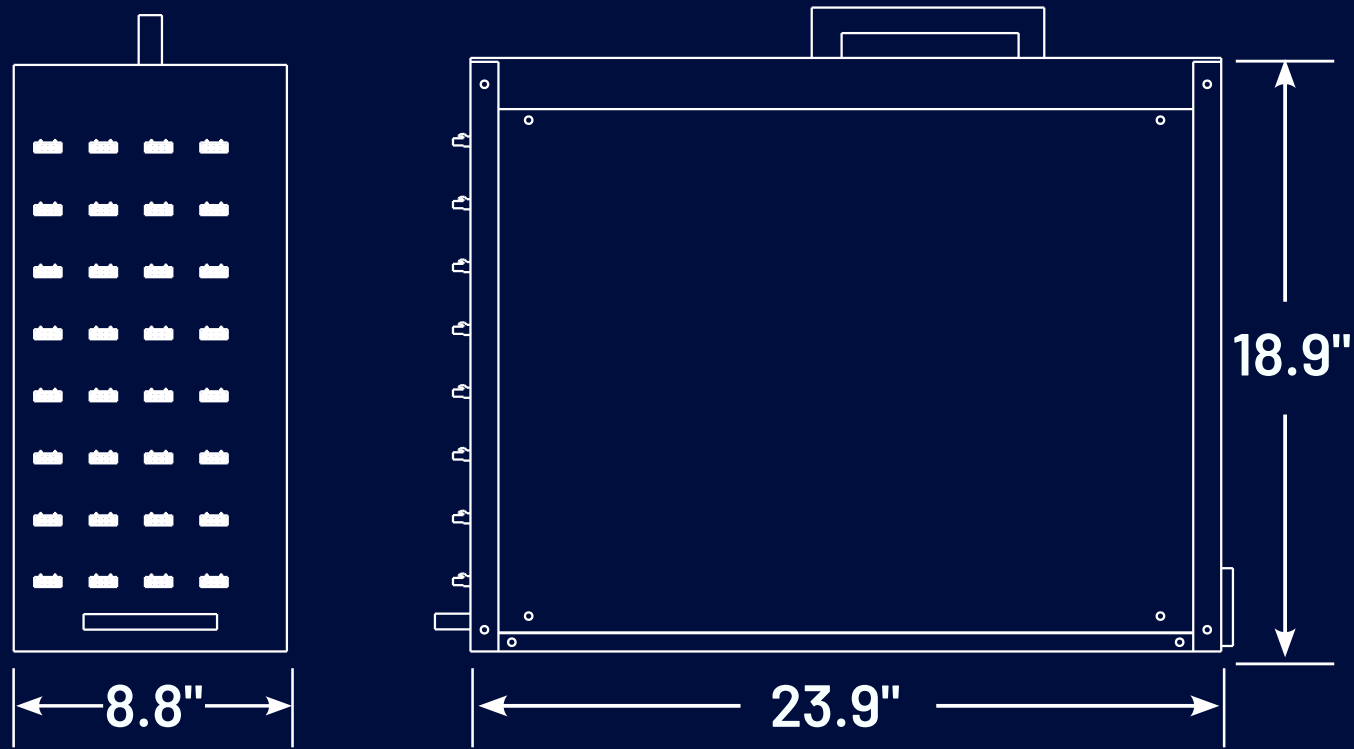
sales@maccor.com



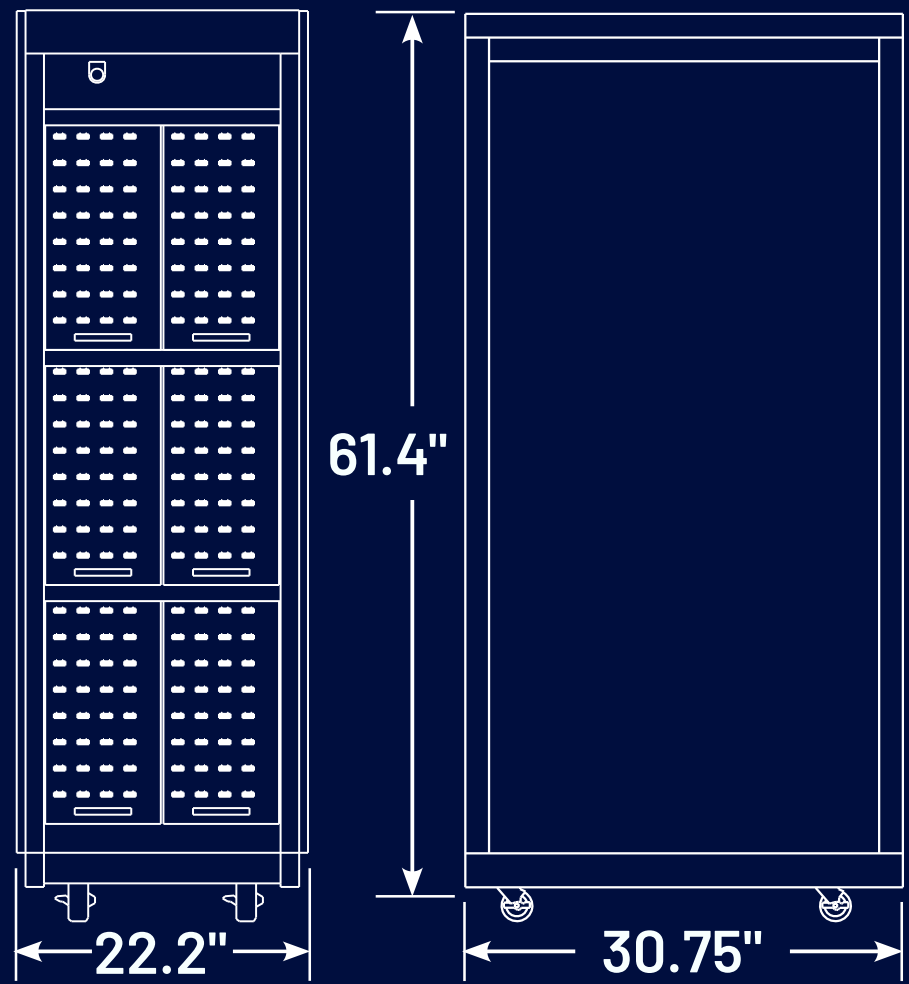
+1 918 446-1874



Made in America



DESKTOP 32-CHANNELS



RACK MOUNTED 192-CHANNELS

CHANNEL SPECIFICATIONS

Parameter	Specification
Current Ranges	1 A / 100 mA / 10 mA / 1 mA
Current Accuracy ($\pm 0.025\%$ FS of Range)	± 0.5 mA / ± 50 μ A / ± 5 μ A / ± 0.5 μ A
Current Resolution (16-bit)	15.3 μ A / 1.53 μ A / 0.153 μ A / 15.3 nA
Channel Voltage Range	0 to 5 V
Minimum Discharge Voltage	0 V
Voltage Accuracy ($\pm 0.02\%$ FS)	± 1 mV
Voltage Resolution (16-bit)	76.29 μ V

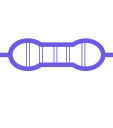
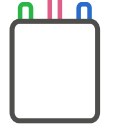
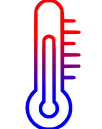
TIMING AND CONTROL

Parameter	Specification
Minimum Step Time	20 ms
Control, Measuremnt,and Adjustment	20 ms
Turn-On (OFF to ON)	< 100 μ s
Variables	50
Global Flags	64

POWER AND SYSTEM

Parameter	Specification
AC Input	120 / 220 VAC 1 ϕ
Cooling	Air
Channels per Module	32
Interface Connections	Phoenix
Approximate Dimensions	Desktop 23.9" D x 8.8" W x 18.9" H
	Rack Mount 30.75" D x 22.2" W x 61.4" H

TESTING FUNCTIONS

 Contstant Current	 Constand Voltage	 Constant Power	 Constant Resistance
 Cycle Test	 Capacity Test	 DCIR Test	 Multi-Electrode Battery Test ¹
 Temperature Characteriization ²	 Dynamic and Static SOC Test	 GITT Test	 Pulse Test

¹ Requires a Model 1100 Desktop Cabinet configured with an Auxiliary Voltage Input Board.

² Temperature chamber sold seperately.