

BMS-200 Battery Monitoring System

For Aquion Battery Modules and Battery Stacks with SMI-100 Stack Monitoring Interface



PRODUCT SPECIFICATION SHEET

Aquion Energy's BMS-200 Battery Monitoring System works with sensed Aquion module-based systems, as well as stack-based systems that use Aquion's SMI-100 Stack Monitoring Interface. The BMS-200 connects to as many as 16 modules or SMI-100 interfaces and provides easy-to-read, real-time performance data and status updates from connected Aquion batteries.

PLUG-IN POWER SUPPLY

Input	100–240 Vac, 50/60 Hz, 4 A
Output	24 V ^{DC} , 9.2 A

DISPLAYED INCREMENTS

Voltage	0–1,000 Vdc (0.1 V)
Current	0–300 A (0.1 A)
Power	0–200 kW (0.1 kW)
State of Charge	0%–100% (0.1%)
Discharge Throughput	0–9,999 kWh (1 kWh)

COMMUNICATION

Module Comms. Protocol	CANbus (via DeviceNet cable)
Maximum No. Modules or SMI-100 Units	16
Site Controller Comms. Protocol	Modbus TCP/IP

CERTIFICATIONS

UL	UL listed
CE	CE marked
IP Rating	IP20

FEATURES

Aquion Performance Monitoring	Yes
Integrated Web Server	Yes
Touchscreen Display	7", 800 × 480 resistive touch



ACCESSORIES REQUIRED

DeviceNet Double-Ended Patchcord

Amphenol SineCo DeviceNet MN57B4BD01M (one provided per module or SMI-100)

CAN Terminator

120-ohm Terminator, Amphenol P/N P29319 Male (one provided per BMS-200)

Standard RJ45 Ethernet Cable

For Modbus communication and troubleshooting (Aquion does not supply this part)

MISCELLANEOUS

Weight	1.18 kg (2.59 lbs)
Ambient Temperature	-5°C–40°C
Data Storage	32 GB (minimum 1 year of data)
Data Transfer	Ethernet
Mounting Location	Indoors
Warranty	2 years

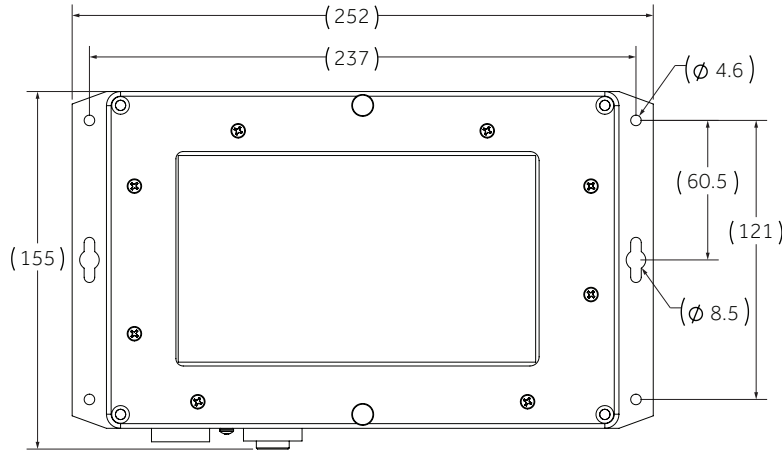
Performance characteristics based on testing conducted by Aquion Energy. Performance may vary depending on use, conditions, and application. For the most up-to-date specification, visit <http://aquionenergy.com>.

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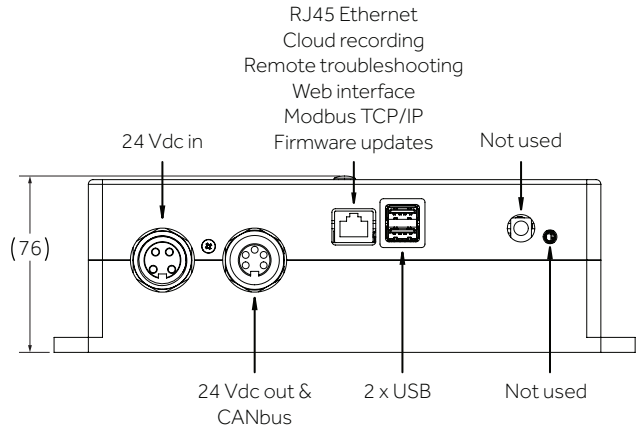
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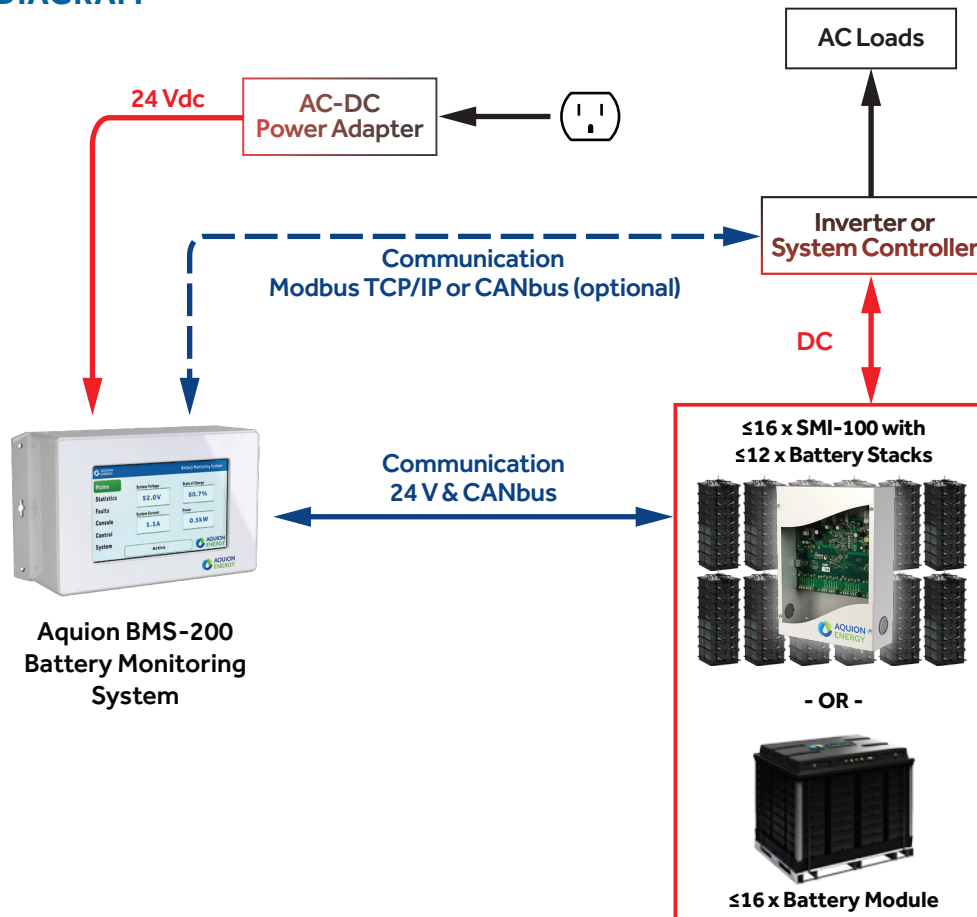
DIMENSIONS



All dimensions in millimeters



SINGLE-LINE DIAGRAM



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