

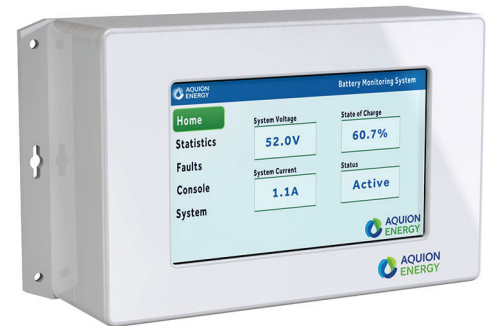
BMS-200 Battery Monitoring System



For use with Aquion M-Line Battery Modules and S-Line Battery Stacks with SMI-100 Stack Monitoring Interface

PRELIMINARY TECHNICAL INFORMATION SHEET

Aquion Energy's BMS-200 Battery Monitoring System works with sensed M-Line module-based systems, as well as S-Line 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.



POWER SUPPLY

Voltage	24–32 Vdc
Power	22.9 W–141.4 W (15 W for BMS-200 plus 7.9 W per module or SMI-100)
Plug-in Power Adapter	100–240 Vac to 24 Vdc power adapter included, 50/60 Hz

COMMUNICATION

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

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)

FEATURES

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

ACCESSORIES REQUIRED

DeviceNet Double-Ended Patchcord	Amphenol P/N MN57B4BD02Mxx
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MISCELLANEOUS

UL Recognition	Targeted, pending testing
CE Marking	Targeted, pending testing
IP Rating	IP2X
Ambient Temperature	0°C–50°C
Data Storage	32 GB (minimum 1 year of data)
Data Transfer	Ethernet
Mounting Location	Indoors

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://info.aquionenergy.com/download-specs>.

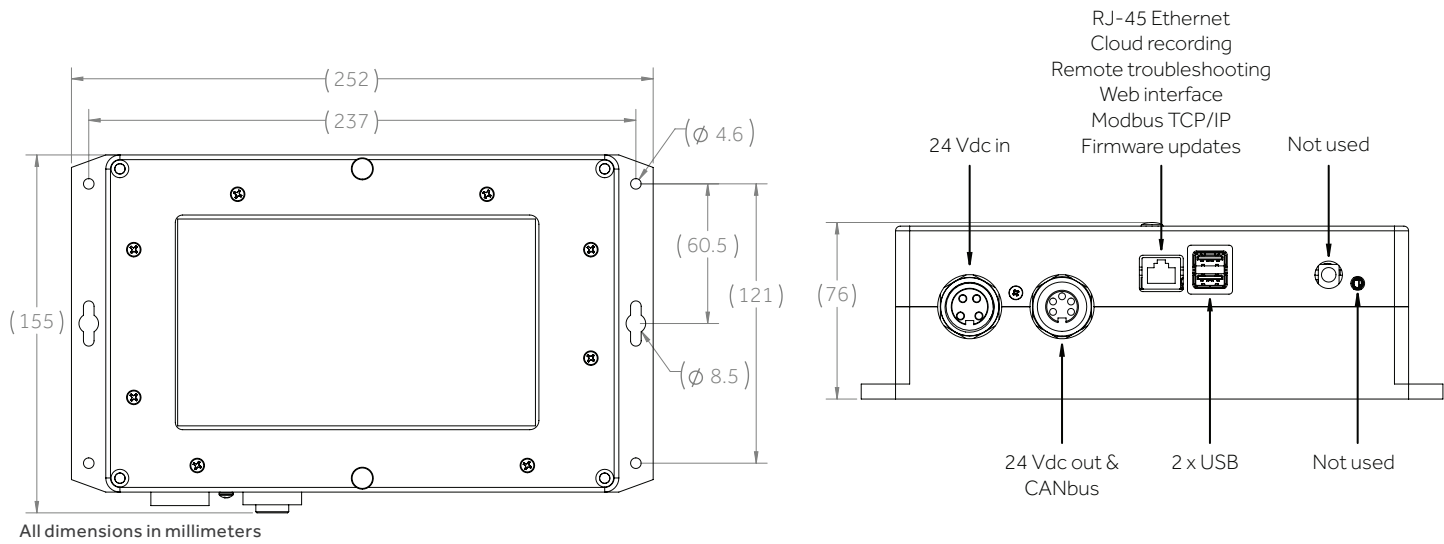
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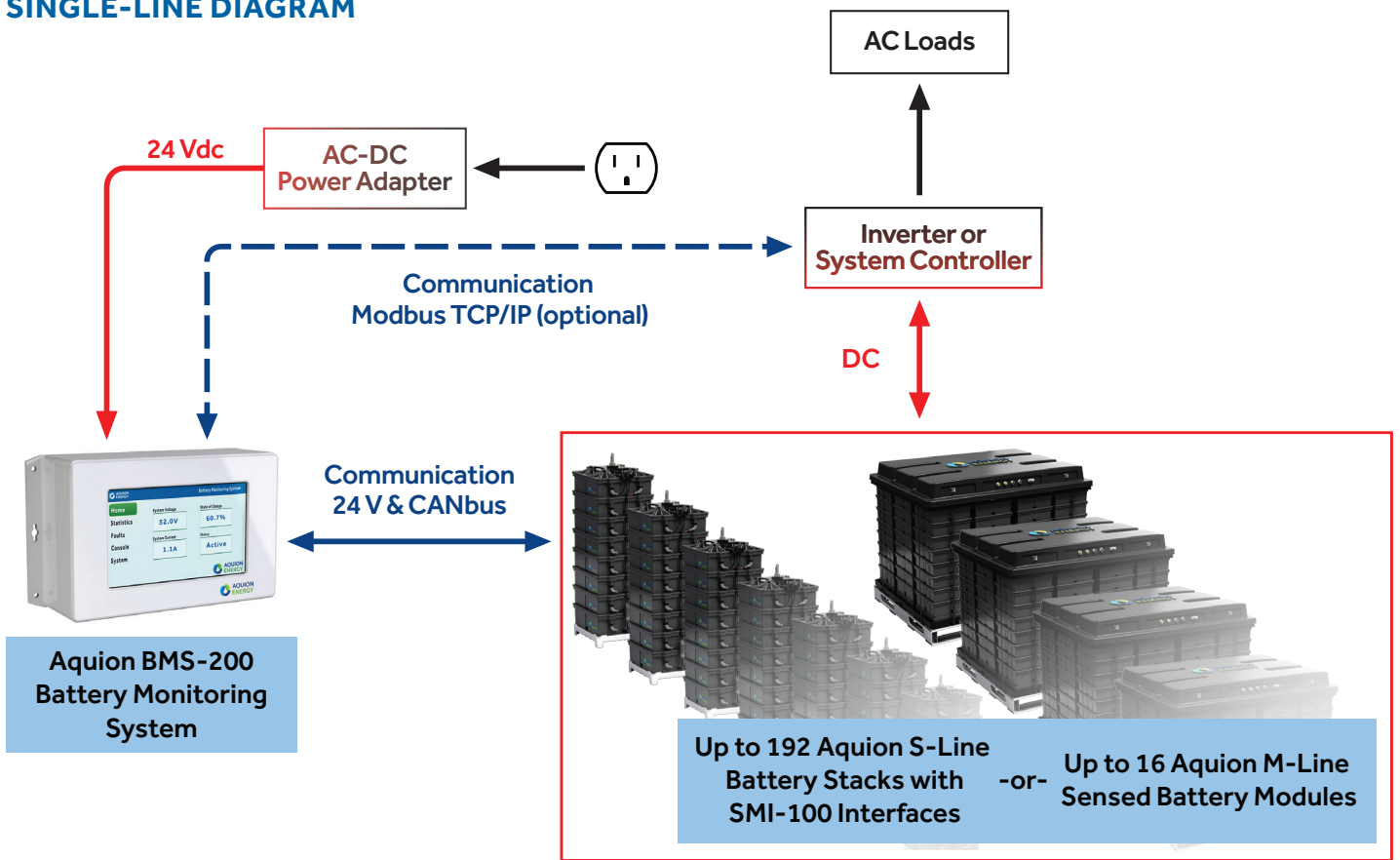
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DIMENSIONS

Weight	1.18 kg (2.59 lbs)
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SINGLE-LINE DIAGRAM



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