

Gen 3 BMS

Announcing our Gen 3 Battery Management System

Elite Power Solutions Gen 3 BMS systems have been developed to drive down operation and installation costs for systems integrators. This brand-new generation of BMS has been designed from the outset with UL991 requirements for safety critical applications,

The new Gen 3 systems include all of the cloud database, app, and communication features of the Gen 2 systems, but with faster (< 1sec) startup time. Larger installations of parallel batteries can be supported using client modules and CAN-based communication.

Our Gen 3 systems incorporate advanced features unavailable in previous systems. This includes support for latching relays for enhanced power savings, and contactor verification for enhanced safety.

The EMS3A has been certified as a UL Recognized Component for both UL1973 and UL2580; the EMS3B is currently being evaluated to the same standards.

Available now for Industry Partners!

	<p>EMS3A</p> <ul style="list-style-type: none"> • 12 Volt System • Monitors 4 cells • 1 Temperature Input • Up to 6 Outputs for Relays and Warnings • Available with internal or External Antenna  <p>MH65672 MH63265</p>
	<p>EMS3B</p> <ul style="list-style-type: none"> • 12 or 48 Volt System • Monitors up to 16 cells • 4 Temperature Inputs • Up to 6 Outputs for Relays and Warnings • Available with internal or External Antenna • Flexible – 12-48 Volt, 4-16 cell systems

EMS Generation Comparison			
Generation	Gen 1	Gen 2	Gen 3
Cost	\$\$	\$\$\$	\$
Architecture	Distributed	Distributed	Centralized
Boot Time	Fast	Slow	Fast
Safety Certification	--	UL	UL (Pending)
Maximum Voltage	256	500	48
Latching Contactors	No	No	Yes
Contactor Verrification	No	No	Yes
Bluetooth	No	Yes	Yes
WiFi and Cloud	No	Yes	Yes

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