

How much does a hybrid battery management system cost?

With almost full capabilities at partial costs, hybrid BMS presents excellent middle-ground options for many lithium battery applications. Average hybrid BMS price range: \$800-\$1,500. Capabilities and pricing can vary widely for BMS. Here are 6 of the leading global manufacturers serving both consumer and industrial lithium battery markets:

How much does a battery management system cost?

Passive BMS offers adequate safety for smaller battery banks in low-budget projects. Average passive BMS price range: \$100-\$500. Active BMS - A step up from passive versions, active BMS plays a more involved role in actively controlling and optimizing cell charge and discharge rates.

How much does a BMS cost?

Average active BMS price range: \$500-\$2,000. Hybrid BMS - As the name implies, hybrid BMS combines elements of both passive and active systems. This allows optimized functionality per cell at lower costs than purely active BMS. Hybrid systems actively balance while monitoring voltages, while allowing passive shunting on cell voltage thresholds.

What is a passive BMS?

Passive BMS - As the most affordable BMS type, these simpler systems conduct basic monitoring of cell voltages and temperatures. When voltage or temperature thresholds are exceeded, passive BMS cuts off charge or discharge to prevent cell damage. Key functions include overcharge protection, undervoltage protection, and balancing cells.

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