

What is a high-voltage energy storage system?

A high-voltage energy storage system (ESS) offers a short-term alternative to grid power, enabling consumers to avoid expensive peak power charges or supplement inadequate grid power during high-demand periods. These systems address the increasing gap between energy availability and demand due to the expansion of wind and solar energy generation.

What is a high-voltage ESS?

Most high-voltage ESS consist of multiple battery modules (BMUs) to manage and scale a system for site-specific requirements. Within a BMU, MPS's battery monitoring and protection devices can be used as a comprehensive analog front-end (AFE) to accurately measure up to 16 series Li-ion battery cells.

What is a high-performance battery management system (BMS)?

These systems address the increasing gap between energy availability and demand due to the expansion of wind and solar energy generation. MPS's high-performance battery management systems (BMS) carefully manage all of the battery cells within a high-voltage ESS to provide safe and reliable operation with high capacity across a long operating life.

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