

# BMS60V25A

## Battery Management System

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The BMS60V25A is a battery management system suitable for any battery cells with a voltage range of 2V to 5V. It provides charge/discharge control and full-feature protection for battery cells and packs in various applications such as industrial energy storage and UPS systems.

- Scalable battery cells from 3 to 16 cells for each module
- Low power consumption
- Series pack extension using bypass diodes

### Accurate Cell Voltage

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Battery cell voltage measure accuracy up to 99.95%

### Inherent Column Counting for SoC

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Column counting is continuously achieved to estimate SoC

### Online V/I Monitoring

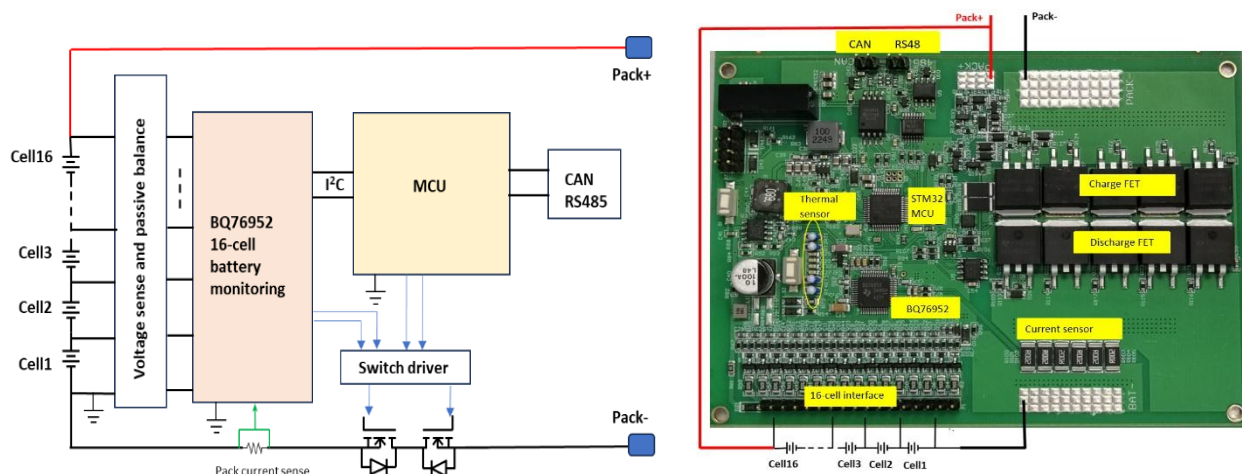
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Remote monitoring and communication via CAN bus or RS-485.

## Product Specification

Design and Test Parameters	Value
Minimum System Operating Voltage	40V
Cell Minimum Voltage	2.5V
Series Cell Count	3 to 16
Sense Resistor	1 or 2 mΩ
Number of Temperature Sensing	5 (including 1 IC internal and 4 for battery cells)
Charge Protection Voltage	Cell voltage 3.625V, pack voltage 58V
Charge Protection Current	25A
Discharge Protection Current	25A
Cell OV Protection Threshold	3.65 V
OV Protection Delay	10 ms
OV Protection Recovery Hysteresis	100 mV
Cell UV Protection Threshold	2.5 V
UV Protection Delay	10 ms
UV Protection Recovery Hysteresis	100 mV
OTD Protection Threshold	60°C
UTD Protection Threshold	-20°C
Protection Subsystem Configuration	Control CHG/DSG MOSFET

## System Structure and Dimension



## Superior performance

