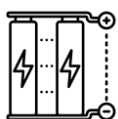
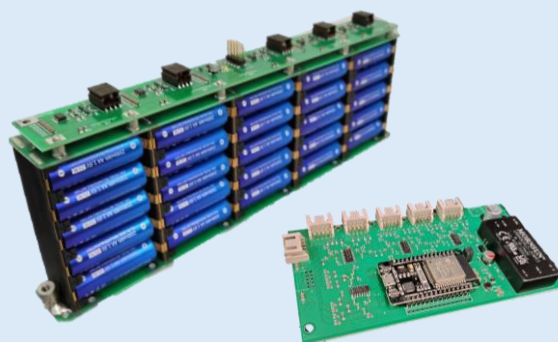


BMS60V25A

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.



Accurate cell voltage

Cell voltage measure accuracy up to 99.95%



SoC estimation

Inherent column counting for SoC



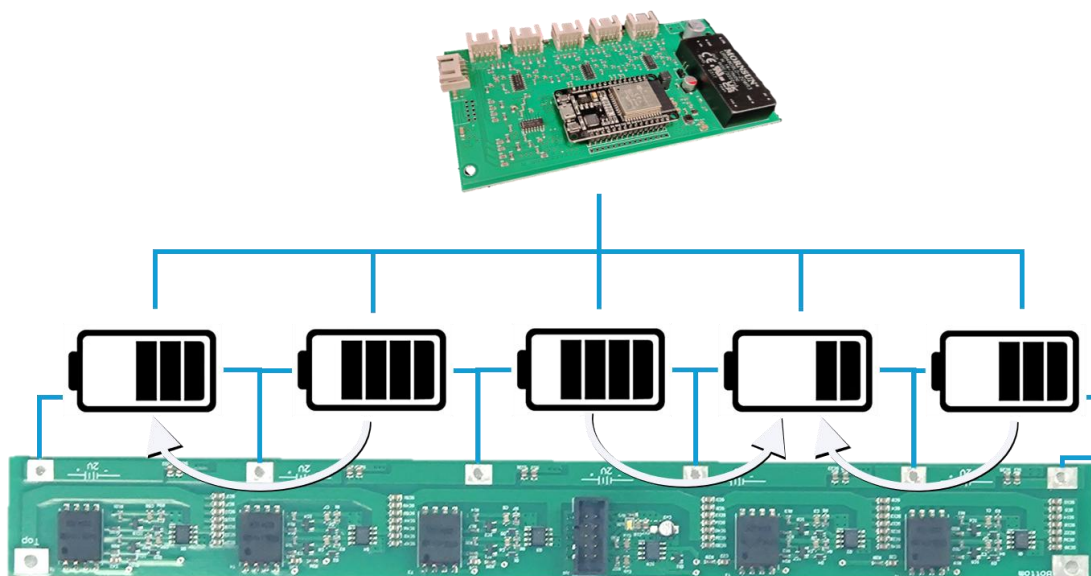
Active balance

Cell voltage balance accuracy is ~24mV



Online V/I monitoring

Remote monitoring and communication via CAN / RS-485



Product Specification

BMS60V25A

Input (DC)

Minimum System Operating Voltage	40V
Cell Minimum Voltage	2.5V
Series Cell Count	3 – 16
Sense Resistor	1 or 2mΩ
Number of Temperature Sensing	5 (including 1 IC internal and 4 for battery cells)
Charge Protection Voltage	3.625V (cell voltage), 58V (pack voltage)
Charge Protection Current	25A
Discharge Protection Current	25A
Cell OV Protection Threshold	3.65V
OV Protection Delay	10ms
OV Protection Recovery Hysteresis	100mV
Cell UV Protection Threshold	2.5V
UV Protection Delay	10ms
UV Protection Recovery Hysteresis	100mV
OTD Protection Threshold	60°C
UTD Protection Threshold	-20°C
Protection Subsystem Configuration	Control CHG/DSG MOSFET
PCBA Size (mm)	150 (W) x 12 (H) x 80 (I)