ReVx Energy

VinciX-Monolithic-HV-BMS

Battery Management System



FEATURES

- 108 Cell Monitoring, Single-Board Design — No Separate Master Required
- 1-Channel Current Sensing and 4-Channel HV Voltage Sensing
- Highest Level of Functional Safety
- 14 Thermistors, 7 Digital Inputs, 8 Digital Outputs
- 400V Operating Voltage for Light Commercial Vehicle Segment
- Dual CAN and RS485 Communication

APPLICATIONS

- Electric Bus
- Electric Truck
- HV Energy Storage

KEY SPECIFICATION

Parameters	Specifications
Power supply	9V - 36V DC
Number of cells	72 - 108 Cells (Software configurable)
Cell chemistry	Chemistry agnostic
Cell voltage measurement accuracy	+/- 5mV
Cell balancing method	Dissipative
Cell balancing current	420mA @4.2V
Number of temperature sensor interface	14
Temperature measurement accuracy	+/- 1 °C
Digital inputs	7
Digital outputs	8
Current sensing channels	1
HV voltage sensing channels	4
Operating voltage	Up to 400V DC
CAN communication	2x CAN ports
RS-485 communication	1x RS-485 port
Local data logging	SD Card
Architecture	Single-board monolithic (no separate master)
Operating temperature	-20 °C to +65 °C

Ankit Kherodiya
Co-founder
Ankit@revxenergy.com | +918949380438
ReVx Energy, Plot No. 27, Defence and Aerospace Park
KIADB, Devanahalli, Bengaluru, Karnataka 562165

Save to contact