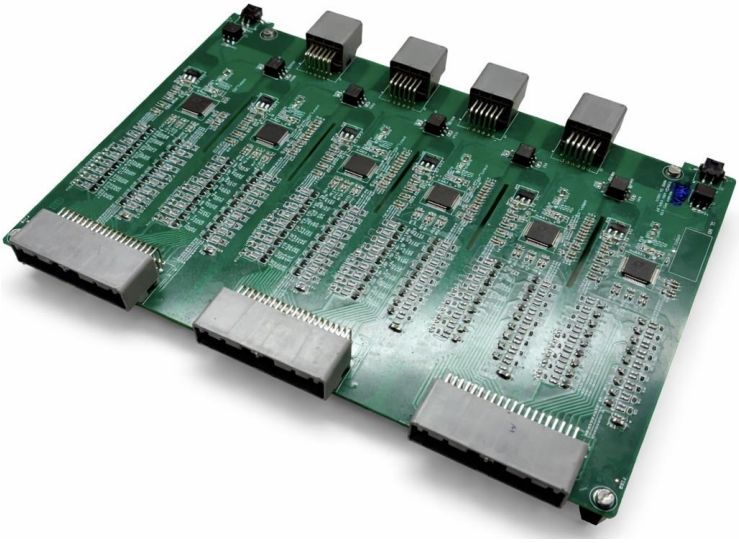
ReVx Energy

VinciX-ESS-LMU

Battery Management System



18S Slave BMS



108S Slave BMS

FEATURES

- Scalable and modular Architecture
- Isolation rating of **2.2 kV DC** at System Level
- ASIL-D Compliant and AEC-Q 200 certified
- Supports up to 24 thermistors
- **Three version of slaves:** 18S, 54S, 108S
- Communicates with ESS PDU over ISO-SPI

APPLICATIONS

- Electric Car
- Electric Bus
- Battery Energy Storage System

KEY SPECIFICATION

18S Slave Specifications

Parameters	Specifications
Cell Chemistry	Chemistry Agnostic
Number of Cells	6 - 18 Cells [Software configurable based on requirement]
Cell Voltage Measurement Accuracy	+/- 5mV
Cell Balancing Current	420mA @4.2V
Number of Temperature sensor	9
Communication with Master Board	ISO-SPI
Dimension	90.3 * 93.3 * 15 mm [L*W*H]

54S Slave Specifications

Parameters	Specifications
Cell Chemistry	Chemistry Agnostic
Number of Cells	36 - 54 Cells [Software configurable based on requirement]
Cell Voltage Measurement Accuracy	+/- 5mV
Cell Balancing Current	420mA @4.2V
Number of Temperature sensor	12
Communication with Master Board	ISO-SPI
Dimension	

108S Slave Specifications

Parameters	Specifications
Cell Chemistry	Chemistry Agnostic
Number of Cells	72 - 108 Cells [Software configurable based on requirement]
Cell Voltage Measurement Accuracy	+/- 5mV
Cell Balancing Current	420mA @4.2V
Number of Temperature sensor	24
Communication with Master Board	ISO-SPI
Dimension	150 * 235 * 15 mm [L*W*H]

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