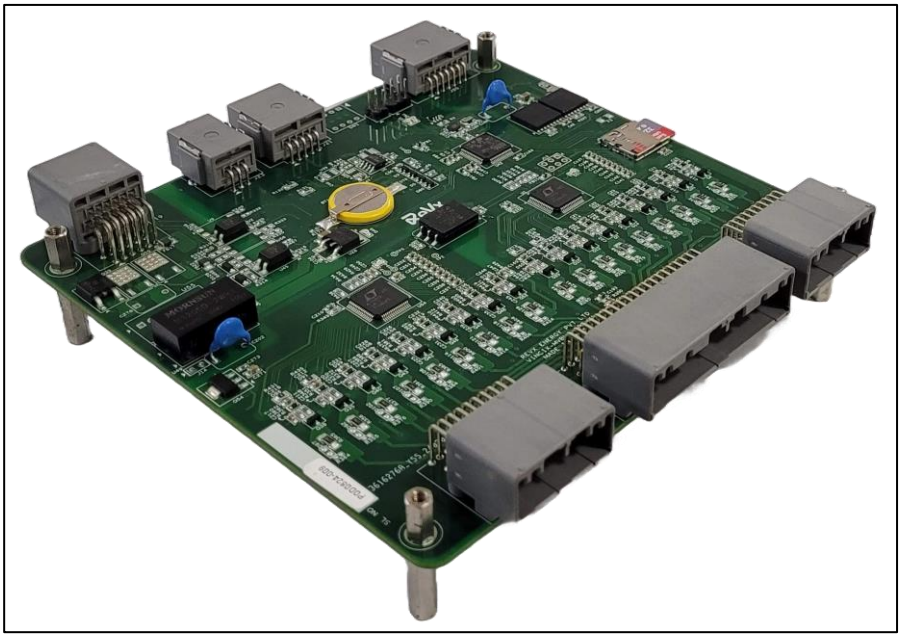
ReVx Energy

VinciX-BMS-36S

Battery Management System



FEATURES

- Highest Level of Functional Safety
- Firmware Upgrade Over CAN
- Onboard SD Card
- BMS Monitoring studio for easy configuration, Monitoring, Plotting and Logging
- Integrated PDU for Contactor Drive – 3 Contactor Drive Outputs are Available
- Interface up to 18 Cell Thermistors and 36 Cells

APPLICATIONS

- Light Electric Vehicle, motorcycles, scooters
- 3 Wheeler
- Stationary Industrial and Home Energy Storage

KEY SPECIFICATION

Parameters	Specifications
Power supply	No need for an external supply, All logic supplies derived from battery pack voltage
Number of cells	20 – 36 Cells [Easily configurable based on design requirement]
Cell chemistry	Chemistry agnostic
Cell voltage measurement accuracy	+/- 5mV
Cell voltage sampling time	20 ms
Cell balancing method	Dissipative
Cell balancing current	180mA @4.2V
Number of temperature sensor interface	18
Temperature measurement accuracy	+/- 1 °C
Standby/Sleep mode	Yes
Charger/ECU communication type	SAE J1939 29 bit ID / Standard CAN 2.0 A/B 11/29 bit ID
Supported CAN speeds	Up to 1Mbps
CAN ports	2 Isolated CAN
Remote monitoring module communication type	Isolated CAN
Local data monitoring	CAN
Parallel Battery Support	Yes
Control IO	Isolated I/P: 1 Potential free I/P and 3: 12V Inputs Isolated O/P: 3 [12V] Contactor Drive: 3
Precharge Resistor	External to PCB
Current Sense Method	Supports Both Hall Sensor and Shunt Based Measurements
Accuracy of pack current measurement	+/- 500mA
HV Sense Channels	2 HV Sense
HV Sense Accuracy	+/- 0.5V
Operating Temperature Range	-20 °C to +70 °C
Dimension	160mmX150mmX25mm

Ankit Kherodiya
Co-founder
Ankit@revxenergy.com | +918949380438
ReVx Energy, Samruddi,10,1st Main, New Bel Road, Bengaluru - 560094

Save to contact