ReVx Energy

VinciX-MOSFET-BMS
21S-100/150/200A

Battery Management System



FEATURES

- Highest Level of Functional Safety
- BMS Studio for Easy configuration, Monitoring, Logging and Plotting
- Firmware Upgrade Over CAN
- Onboard Precharge MOSFET, Current Sensor and Integrated PDU for 100A/150A/200A Current
- Onboard Flash for data storage
- Interface up to 7 Cell Thermistors and 16 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	7 – 21 Cells [Easily configurable based on design requirement]
Cell chemistry	Chemistry agnostic
Cell voltage measurement accuracy	+/- 10mV
Cell voltage sampling time	20 ms
Cell balancing method	Dissipative
Cell balancing current	150mA @4.2V
Number of temperature sensor interface	7
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	1 CAN
Control IO	External Buzzer, Ignition
Precharge Resistor	200 Ohms/ 15Watts [Can be Configurable]
Continuous Discharge Current	100A/150A/200A
Peak Discharge Current	150A/300A/400A @ 10Sec
Certfication	AIS156, AIS004, IEC60068
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