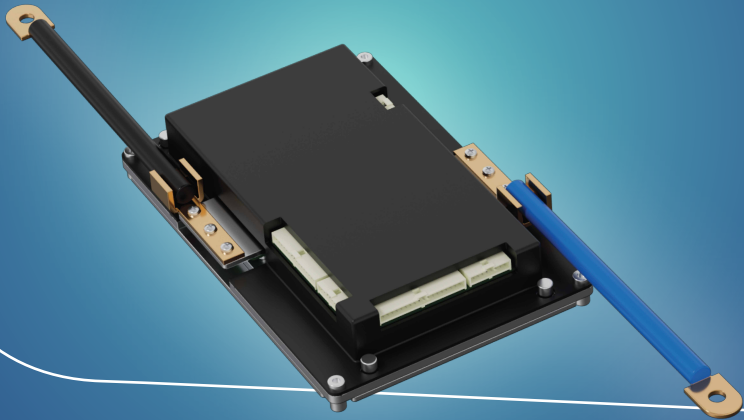


Battery Management System

72V/ 96V



Designed and developed in India, this BMS packs high level of safety, essential features, performance together with accuracy.

The highly integrated BMS is one-box solution for AIS-156 phase III compliance, adaptive software algorithms, short circuit protection, isolated CAN, isolation monitoring and more.

It supports fully configurable battery parameters at end-of-line at Customer.

BATTERY MANAGEMENT SYSTEM

Parameter	Values
Battery Chemistry Support	NMC,LFP & LTO
Nominal Operating Voltage	72V & 96V Battery Packs
Continuous Current	240A
Series Channels	Scalable up to 32 Channels
Operating Temperature	-20°C to +85°C
AIS-156 Compliance	Phase-III Compliant
Protection and safety Supported	AIS-0004 Part 3, EMI-EMC compliant <ul style="list-style-type: none">Short circuit protectionOver and Under Voltage Pack & Cell protectionOver Temperature, Current protectionPre-Charge, Isolation Monitoring
Temperature Monitoring	6 external & 2 on-board Temperature
Cell Balancing	Dissipative Balancing upto 200mA
SOC Estimation	Supported with Coulomb Counting estimated error of $\leq 2\%$
SOH Estimation	Based on CELL Cycling Data <ul style="list-style-type: none">Cycles Vs Capacity & Cycles Vs IR
Communication Support	Isolated CAN 2.0 (Isolated from HV)
Pre-Charge	Supported using MOSFET based switch
BMS Size L*W*H (in mm)	226*150*46