

# Cloud Connected BMS



Designed and developed in India, our Cloud-Connected Battery Management System (BMS) combines high safety, advanced features, and superior performance with unmatched accuracy.

This highly integrated, one-box solution ensures AIS-156 Phase III compliance, adaptive software algorithms, and short-circuit protection for enhanced reliability

# CLOUD CONNECTED BMS

Parameter	Values
Battery Chemistry Support	NMC & LFP
Nominal Operating Voltage	48V & 60V Battery Packs
Operating Current	Constant -50A, Peak - 80A for 30 sec
Series Channels	Scalable up to 18 Channels
Operating Temperature	-20°C to +85°C
AIS-156 Compliance	Phase-III Compliant
Protection and safety	AIS-0004 Part 3, EMI-EMC compliant Supported
Temperature Monitoring	4 external & 2 on-board Temperature
Cell Balancing	Dissipative Balancing upto 200mA
SOC Estimation	Precise SOC measurement with estimated error of $\leq 5\%$
SOH Estimation	Based on CELL Cycling Data
Communication Support	CAN 2.0
Pre-Charge	Supported using MOSFET based switch
BMS Size L*W*H (in mm)	155*68*24
Features	<ul style="list-style-type: none"><li>Intelligent DTE (distance to empty) estimation</li><li>Battery parameters tracking</li><li>Faults tracking</li><li>ML based SOH estimation</li><li>UI Interface</li></ul>