



Lithium Ion Automotive Battery

Production Description

This system is used for a new energy car model with 190pcs cylindrical cells. The battery pack performance is optimized by using Godsend's battery management system (BMS), which provides better control, balance and management of the cells.

Specifications

Item		Parameters
Vehicle type		Electric passenger car
Cell	Model	GSNCM46160M-31
Battery system	System model	GSBSA00EVAA21.8-140.6
	Pack configuration	5P38S
	Rated voltage	140.6V
	Rated capacity	155Ah
	Voltage range	114~159.6V
	Rated energy	21.79KWh
	Rated charge current	23A
	Rated discharge current	155A
	Max discharge current(10S)	310A
	Operating temperature	Charge:-20~+45°C Discharge:-20~+60°C
	Communication interface	Vehicle CAN Communication, Charge CAN Communication, RS-232
Power supply	12V(9 ~ 18V)	



BMS	Contains BMU, LECU and HMU
Dimensions(L*W*H)	810*588*265mm
IP degree	IP67
High voltage control	External

Characteristics

1. Safer chemistry minimizes risks of explosion and fire when batteries are shorted or punctured resulting in internal short circuit.
2. High discharging C-rate.
3. Compact and light design
4. Maximum durability under extreme conditions
5. Better-performance under low temperature.



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