



Electric SUV Battery

Production Description

This battery system is comprised of 31Ah cells arranged in a 6P90S configuration. It integrates liquid cooling/heating system into the pack for better battery temperature control. Also it can be customized to meet different applications in commercial truck, bus and heavy duty transportation vehicle.

Specifications

Item		Parameters
Vehicle type		Electric SUV
Cell	Model	GSNCM46160M-31
Battery system	System model	GSBSWMAJAXCC61.9-333
	Pack configuration	6P90S
	Rated voltage	333V
	Rated capacity	186Ah
	Voltage range	270~387V
	Rated energy	61.9KWh
	Rated charge current(SOC < 80%)	186A
	Max charge current(15S)	250A
	Rated discharge current	200A
	Max. discharge current(15S)	480A
	Operating temperature	Charge:-20~+55°C ;Discharge:-25~+60°C
	Communication interface	Vehicle CAN Communication, Charge CAN Communication, RS-232
	Power supply	12V(9 ~ 18V)



BMS	Contains BMU, LECU and HMU
IP degree	IP67
Cycle life	≥1500
High voltage control	Internal
Temperature management system	Liquid

Characteristics

1. High energy & power density
2. Highly robust connection due to electrode terminal design using laser welding. This helps prevent loose connections caused by vibration.
3. Longer cycle life by both active and passive balancing
4. Flexible architecture design for varying pack configurations.
5. Unique temperature control with liquid cooling and heating.

