

Advanced

Li-ion

Batteries

Gen 2.0



Salient Features:

- Advance Twin Cooling Design
- Long Life Cycle
- Fast Charging
- High Energy Density
- Advanced Thermal Shield
- Light Weight
- Telematics-Enabled
- Easy Serviceability
- Efficient Cell Balancing
- Customized BMS
- Advance GAS Sensor Feature



JBMG is a market leader in ultra-fast charging and multifaceted battery systems which provides design, development, manufacturing, sales and after-sales services for all application needs. With different product offerings depending on customer mission profile and requirement for EVs (Electrical Vehicles), our battery packs are intelligent and modular, with unique chemistry for high energy density, light weight and high DOD. Our products are AIS-038 Rev-02 & UN38.3 certified.

KEY HIGHLIGHTS OF OUR BATTERY

- Fully automatic cell to module and module to pack manufacturing facilities with robotics laser welding of cells.
- Equipped with world-class industry manufacturing execution system (4.0 MES) and product traceability system.
- State-of-the-art product testing reliability and quality system inspection.

TECHNICAL SPECIFICATION	E-BUS/E-CV
Cell Type	Prismatic (Gen.- 2.0)
Cell Technology	Li-ion
Cooling System	Dual Liquid Cooling (Top & Bottom)
Nominal Energy (kWh)	28.70/29.18/35.02/35.09/35.32 kWh
Energy Density (Wh/Kg)	156-160
C-Rate	Up to 1C Charge Up to 1C Dis-Charge
Cathode Technology	LFP/LMFP
Ingress Protection	IP-68
Dimension (L x W x H) mm	1082 x 630x 240
Weight (Kg)	242± 7.5
No Internal/External Joint	(SAE-15.82)
Explosion Valve Pressure (kPa)	4±1
Safety	Manual Fuse Disconnect (MSD) Short Circuit Protection, FDSS (optional)
Operating Temperature (°C) / Humidity (%) RH	Discharge (-20 ~ 55)°C / ≤ 85% Charge (0~ 55)°C / ≤ 85%
Advance Battery Management system	<ul style="list-style-type: none"> • SOC • SOH • Cell Voltages • Cell temperature • Compound Sensor • Energy Measurement
Local Electronic Control Unit	Local Control Unit with Daisy Chain Connection
Communication With Master BMS	CAN 2.0
Cell Balancing	Passive
Coolant Capacity (L)	2-3 L
Life Cycle	≥ 4000@25°C, 0.75CC / 0.75CD
EOL	80%
Certification	AIS038, UN38.3, AIS004, ECE R10, ECE R100

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