

BP104E-4T

Battery

accelerate the shift™



The Accelera™ by Cummins BP104E-4T leverages the newest battery cell technology providing higher life and better energy density than most LFP products.

Features



Flexible pack configuration - available in up to 4 tiers

Highly modular and configurable with the ability to fit more packs on a vehicle

Longer range and higher payload capacity

Lower total cost of ownership

Thermal management system optimizes cell conditions to preserve battery life

Advanced cell technology provides higher cycle life

Higher energy density

Enhanced safety design

Competitive charging capabilities: state of charge from 10-80% in 25 minutes

Ideal for MDT, HDT, school bus and transit bus integrations

Available in 2027

Specifications



Chemistry	Lithium Manganese Iron Phosphate	
Dimensions	1140 mm x 620 mm x 560 mm (excluding connections)	
Weight (dry)	635 (kg)	
Energy	Nominal: 104 kWh	Depth of discharge: 95%
Peak power	Charge: 231 kW (50% SOC)	Discharge: 306 kW (50% SOC)
Continuous power	Charge: 198 kW (50% SOC)	Discharge: 204 kW (50% SOC)
Operating Voltage	586–840 V (726 nominal)	
Cooling	H2O and Ethylene Glycol, 50:50	
Ingress Protection	IP6K9K and IP67	
Cell Cycle Life	> 4000 (80% SOH, @ 25 Celsius)	
Operating Temperature Range	-35 to 50°C	
Communication	CAN-FD / SAE J1939	
ESS Configurations	Up to 10 in parallel	

*Peak power varies based on application

** Cycle life can be expected to change depending on use case, and is affected by operating temperature, power, and %DoD.

*** >20% SOC

‡ At 25°C to 80% SOH, SC/1C, 0-100% SOC Cycle life can be expected to change depending on use case, and is affected by operating temperature, power and %DoD.

Specs subject to change throughout development cycle

Solutions for a wide range of applications.

Our deep understanding of customer needs enables us to create products that can do what needs to be done. No matter what class, segment or rating, Accelera helps you deliver more efficiently than ever.

We are Accelera.

And we're on a mission to transition the world's most economically critical industries to zero-emissions power.

Learn more at accelerazero.com