

Battery Electric

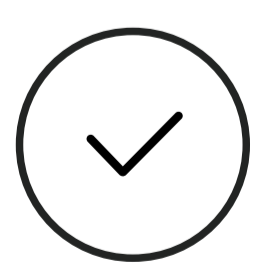
BP97E



Lightweight. Fast charging.



Higher Battery
Energy Density



Flexible
Mounting



Simple
Infrastructure
Requirement

Breaking barriers in the EV market

Benefits ↓

The high-performance, energy-dense battery pack composed of a lightweight enclosure and modular design has one of **the highest energy densities available in the market.**

Providing customers with the **same or improved range** for less battery weight than before.

Compact design **enables flexible mounting** options that allow this pack to be installed within the chassis rails or create a low-height sub-pack.

Can be used as a standalone component or **connected in parallel** for use in Accelera's range of multi-pack power systems.

Tested to meet the highest safety, durability, and reliability tests known ensuring the ability to withstand the toughest conditions.

Warranty provided against customer-specific vehicle usage and drive cycle data.

Features ↓

Lightweight enclosure

A lightweight enclosure maximizes energy density while maintaining pack durability.

DC Fast Charging Capability

With DC fast charging capability, this pack's charge can go from 0-80% in less than 1 hour.

Temperature Control

A liquid cooling system provides the ideal temperature control for cell performance and longevity.

Battery Management System

The spec battery management system controls power demands and ensures system health.

Battery Specifications

Chemistry	Li Ion NMC-A	
Dimensions	1893 mm x 639 mm x 295 mm (excluding connections)	
Weight (dry)	550 kg	
Energy	Nominal: 97 kWh / Depth of discharge: 88%	
Peak Power*	Charge: 209 kW (50% SOC)	Discharge: 131 kW (20% SOC)
Continuous Power	Charge: 82 kW (50% SOC)	Discharge: 105 kW (20% SOC)
Charging Capacity	0-80% DSOC in 1 hour	
Operating Voltage	583-689 V (618 V nominal)	
Cooling	H2O and Ethylene Glycol, 50:50	
Ingress Protection	IP6K9K and IP67	
Operating Temperature Range	-40 to 50°C	
Communication	SAE J1939	
ESS Configurations	Up to 8 in parallel	

*Peak power varies based on application

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