

FPT ePowertrain solutions

Innovation and sustainability have always been at the heart of FPT. To stay ahead of technological progress and market needs, the Brand established its ePowertrain department in 2018. Based in the R&D centers of Arbon (Switzerland), Coventry (UK), and Turin (Italy), it is dedicated to developing the powertrains of tomorrow — today.


As a global leader, FPT sets ever more ambitious goals, combining its expertise with the creativity of leading start-ups through strategic partnerships, acquisitions, and joint ventures. Today, we proudly present a complete range of ePropulsion and Energy Storage & Management solutions, driving the future of sustainable mobility.

Energy Storage Solutions

FPT's reliable and high-performance ePowertrain range includes advanced energy storage and management solutions for zero-emission mobility. The battery packs are developed to meet diverse application needs and adapt to various mission profiles and customer requirements.

The 69 kWh FPT Battery Pack for bus applications is a modular solution featuring advanced lithium-ion cells that deliver outstanding energy density and efficiency in urban transport. Powered by NMC technology, the eBS 69 EVO ensures fast charging, excellent stability, and long-lasting performance, combining innovation, safety, and sustainability in a compact system.

Specifications

Model:	eBS 69 EVO
Application:	 Bus
Type:	HV Battery Pack
Nominal capacity (Ah):	107
Nominal energy (kWh):	69,3
Usable energy (kWh):	67
Nominal voltage (V):	647,5
Voltage range (V):	525 - 735
Energy density (Wh/kg):	>173
C-rate (continuous):	1C (charge) 1.87C (discharge)
Weight (kg):	400
Dimensions (mm):	1.785 x 700 x 255
Multipack solution:	up to 9 packs in parallel
Cathode technology:	NMC 532
Cell Technology:	Li-ion
Cell configuration:	175s2p
Cooling system:	Glycol-Water
Protection:	IP6K9K / IP67
Vibration profile:	ISO 12405-3
Homologation:	ECE R100.4 ECE R10.6
Life cycle:	>6.800 @ 80% DoD 70%SOH



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Nominal energy (kWh):	69.3
Usable energy (kWh):	67
Nominal voltage (V):	647.5
Voltage range (V):	525 - 735
Energy density (Wh/lb):	>78.5
C-rate (continuous):	1C (charge) 1.87C (discharge)
Weight (lb):	882
Dimensions (inch):	70.27 x 27.55 x 9.84
Multipack solution:	up to 9 packs in parallel
Cathode technology:	NMC 532
Cell Technology:	Li-ion
Cell configuration:	175s2p
Cooling system:	Glycol-Water
Protection:	IP6K9K / IP67
Vibration profile:	ISO 12405-2
Homologation:	ECE R100.4 ECE R10.6
Life cycle:	>6,800 @ 80% DoD



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