

FPT ePowertrain solutions

Innovation and sustainability have always been fundamental characteristics of FPT Industrial. In order to remain at the forefront of technological advancements and effectively respond to market needs, the Brand created ePowertrain department in 2018. With main hubs based in the R&D centers in Arbon, Switzerland, Coventry, UK and Turin, Italy, the ePowertrain department is focused on developing the powertrains of tomorrow, today. Being a global leader means setting new targets that grow more challenging every day. To reach them, we have drawn on our expertise along with the best innovative start-ups worldwide, through partnerships, acquisitions and joint ventures. Now, we can proudly display the results, showcasing our full range of eDriveline and Battery Storage and Management solutions.

Battery Storage Solutions

FPT Industrial's high-performance, reliable and top-quality ePowertrain range is completed by state-of-the-art battery storage and management solutions. In collaboration with Microvast, a Texas-based company and market leader in ultra-fast-charging, long-life battery power systems, FPT Industrial has started battery pack development and production suitable for commercial vehicles, minibuses and buses, featuring a multipack option for both goods and people transport missions.

Specifications

Model:	eBS 69
Application:	Bus
Type:	HV Battery Pack
Nominal capacity (Ah):	107
Nominal energy (kWh):	69,3
Usable energy (kWh):	68
Nominal voltage (V):	647,5
Voltage range (V):	525 - 735
Energy density (Wh/kg):	>178
C-rate (continuous):	1C (charge) 1C (discharge)
Weight (kg):	389
Dimensions (mm):	1.785 x 700 x 250
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 R100.2 ECE R10.6
Life cycle:	>6.000 @ 80% DoD

ENERGY STORAGE - BATTERY PACK



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Nominal energy (kWh):	69.3
Usable energy (kWh):	68
Nominal voltage (V):	647.5
Voltage range (V):	525 - 735
Energy density (Wh/lb):	>80.7
C-rate (continuous):	1C (charge) 1C (discharge)
Weight (lb):	857.6
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
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