


## FPT ePowertrain solutions

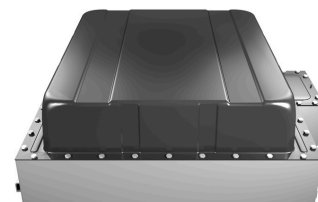
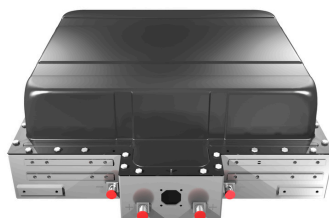
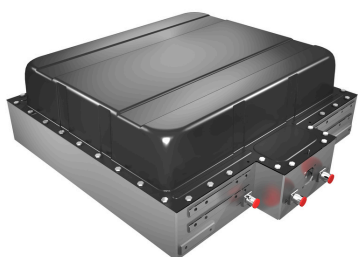
Innovation and sustainability have always been fundamental characteristics of FPT Industrial. In order to remain at the forefront of technological advancements and effectively respond to market needs, the Brand created ePowertrain department in 2018 and opened a dedicated ePowertrain Plant in Turin (Italy) in October 2022. 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

<b>Model:</b>	eBS 37
<b>Application:</b>	 LCV - Minibus
<b>Type:</b>	HV Battery Pack
<b>Nominal capacity (Ah):</b>	104
<b>Nominal energy (kWh):</b>	37
<b>Usable energy (kWh):</b>	35
<b>Nominal voltage (V):</b>	355 (666 in case of multi pack)
<b>Voltage range (V):</b>	259 - 403
<b>Energy density (Wh/kg):</b>	>140
<b>C-rate (continuous):</b>	1C (charge) 2C (discharge)
<b>Weight (kg):</b>	260
<b>Dimensions (mm):</b>	925 x 854 x 310
<b>Multipack solution:</b>	up to 4 packs in parallel up to 2 packs in series
<b>Cathode technology:</b>	NMC 811
<b>Cell Technology:</b>	Li-ion
<b>Cell configuration:</b>	96s2p
<b>Cooling system:</b>	Water cooled
<b>Protection:</b>	IP6K9K / IP67
<b>Vibration profile:</b>	ISO 12405-2
<b>Regulation Compliance:</b>	ECE R100.2 ECE R10.5
<b>Life cycle:</b>	>2.500
<b>BMS:</b>	Microvast



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**FPT ePowertrain solutions**

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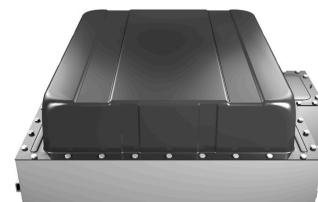
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**Specifications**

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<b>Application:</b>	LCV - Minibus
<b>Type:</b>	HV Battery Pack
<b>Nominal capacity (Ah):</b>	104
<b>Nominal energy (kWh):</b>	37
<b>Usable energy (kWh):</b>	35
<b>Nominal voltage (V):</b>	355 (666 in case of multi pack)
<b>Voltage range (V):</b>	259 - 403
<b>Energy density (Wh/lb):</b>	>63.5
<b>C-rate (continuous):</b>	1C (charge) 2C (discharge)
<b>Weight (lb):</b>	573
<b>Dimensions (inch):</b>	36.43 x 33.63 x 12.2
<b>Multipack solution:</b>	up to 4 packs in parallel up to 2 packs in series
<b>Cathode technology:</b>	NMC 811
<b>Cell Technology:</b>	Li-ion
<b>Cell configuration:</b>	96s2p
<b>Cooling system:</b>	Water cooled
<b>Protection:</b>	IP6K9K / IP67
<b>Vibration profile:</b>	ISO 12405-2
<b>Regulation Compliance:</b>	ECE R100.2 ECE R10.5
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**ENERGY STORAGE - BATTERY PACK**



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