

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.

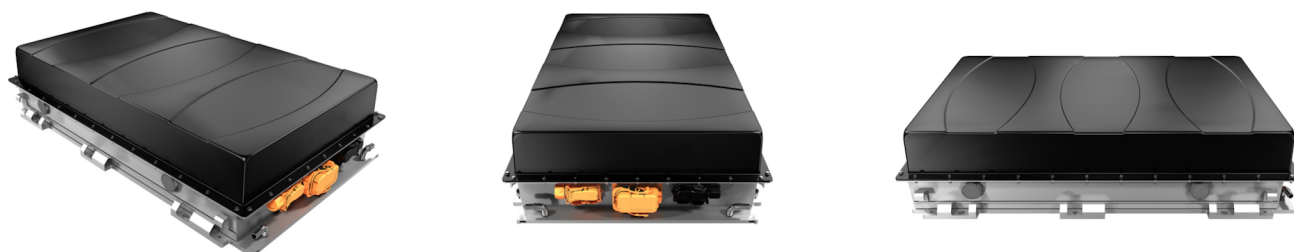
Energy Storage Solutions

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, with a cutting-edge product designed and developed for off-road application, including construction equipment and agricultural applications.

Specifications (metric)

Model:	eBS 42
Application:	AG - CE
Type:	HV Battery Pack
Nominal capacity (Ah):	106
Nominal energy (kWh):	42
Usable energy (kWh):	34
Nominal voltage (V):	400
Voltage range (V):	290 - 453
Energy density (Wh/kg):	>170
C-rate (continuous):	1C (charge) 2C (discharge)
Max Power Charge/Discharge:	42 kW / 84 kW
Weight (kg):	250
Dimensions (mm):	1060 x 660 x 243
Multipack solution:	up to 2 packs in parallel
Cathode technology:	NMC
Cell technology:	Li-ion
Cell capacity (Ah):	53,5
Cell configuration:	108s2p
Cooling system:	Water-cooled
Integrated Cooling Plate:	Yes
Protection:	IP6K9K / IP68
Regulation Compliance:	ECE R100.3 / ECE R10.6
Life cycle:	>4.000 cycles
BMS:	Microvast

ENERGY STORAGE - BATTERY PACK



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE WWW.FPTINDUSTRIAL.COM

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

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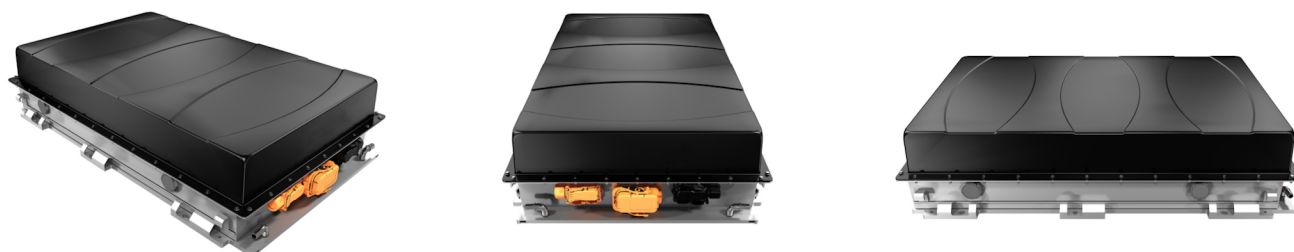
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Usable energy (kWh):	34
Nominal voltage (V):	400
Voltage range (V):	290 - 453
Energy density (Wh/lb):	>76
C-rate (continuous):	1C (charge) 2C (discharge)
Max Power Charge/Discharge:	42 kW / 84 kW
Weight (lb):	550
Dimensions (inch):	42 x 26 x 10
Multipack solution:	up to 2 packs in parallel
Cathode technology:	NMC
Cell technology:	Li-ion
Cell capacity (Ah):	53.5
Cell configuration:	108s2p
Cooling system:	Water-cooled
Integrated Cooling Plate:	Yes
Protection:	IP6K9K / IP68
Regulation Compliance:	ECE R100.3 / ECE R10.6
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