


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. Based in the R&D centers in Arbon, Switzerland, 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, together, our range of eDriveline and Battery storage & management solutions.

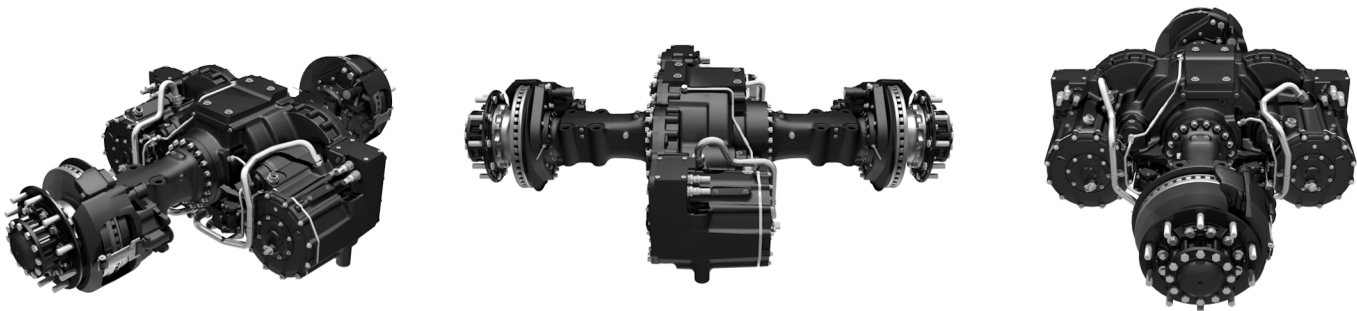
Electric Driveline

FPT Industrial is responding to the crucial challenges of transport sustainability, energy transition and CO₂ emission reduction with a complete range of innovative products. Designed to fully integrate all ePowertrain elements in a compact solution to easily house both the commercial load and the battery packs, the new eAxles and Central Drive will guarantee outstanding performance and reliability according to the mission application.

Specifications (Nikola Tre BEV version)

Model:	eAX 840-R
Application:	 Heavy
Type:	Rear Axle
n. eMotors:	2
Peak Power (kW):	840
Peak Torque (Nm):	1.800
Peak Wheel Torque (Nm):	45.000
DC Voltage (V):	800 max
GAW (ton):	13
GCVW (ton):	44
System efficiency:	>92%
Brake system:	DISC
Braking Torque (Nm)	30.000
Weight (kg):	1.360
Dimensions (mm):	2.028 x 1.244 x 641
Power Density (kW/kg):	0,62
Gear - n. speed:	1
Gear ratio:	from 15 to 25
Durability Be10 (km):	up to 1.200k

eDRIVELINE - ELECTRIC AXLES



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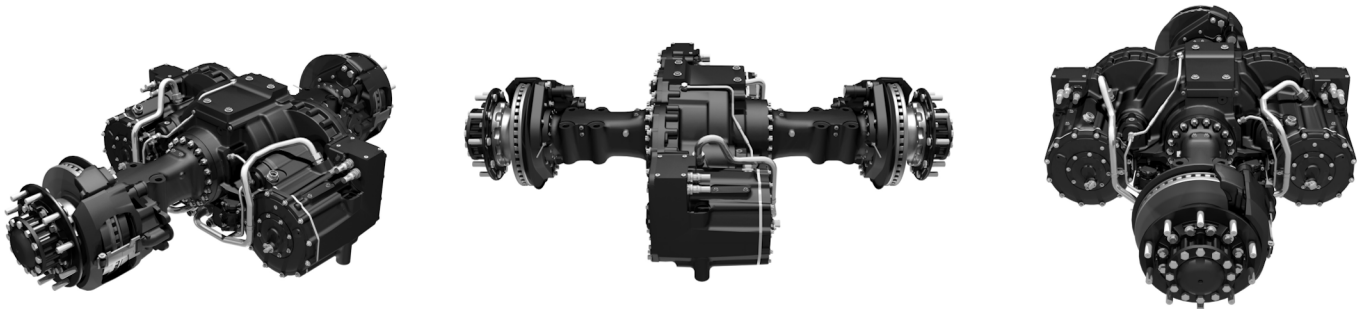
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Application:	 Heavy
Type:	Rear Axle
n. eMotors:	2
Peak Power (kW):	840
Peak Torque (lb-ft):	1,328
Peak Wheel Torque (lb-ft):	33,200
DC Voltage (V):	800 max
GAW (lb):	26,000
GCVW (lb):	88,000
System efficiency:	>92%
Brake system:	DISC
Braking Torque (lb-ft)	22,130
Weight (lb):	2,998
Dimensions (inch):	79.84 x 48.9 x 25.23
Power Density (kW/lb):	0,28
Gear - n. speed:	1
Gear ratio:	from 15 to 25
Durability Be10 (mi):	up to 745,650

eDRIVELINE - ELECTRIC AXLES



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