



## Ford Performance Transit Electric Supervan 4.2 "Bathurst" Technical Specification

Vehicle	Ford Performance Transit Electric Supervan 4.2 "Bathurst"
Vehicle type	Commercial Van
Body	welded steel construction with Fr & Rr subframes
Bodywork	"Ford Design" designed carbon fiber bodywork package
Aerodynamic Package	Ford Performance developed aero package
Overall downforce	2 028 kg @ 320 km/h
<b>Performance</b>	
Combined Discharge Power / Torque	1500 kW / 1680 Nm
Combined Regen Power	800 kW
Topspeed	330 km/h
<b>Powertrain</b>	<b>STARD UHP EV powertrain</b>
E Motors	4x STARD UHP 6-phase electric motors and inverters
E-Motor Type	PMSM (permanent magnets synchronous machine)
E -Motor maximum speed	16.000 rpm
E-Motor Position	Transversely Mounted 2x Front and 2x Rear
Power and Torque per Motor/Inverter	4 x 375kW / 420 Nm peak / 16.000 rpm max rpm
Inverters	4x STARD UHP 6-phase IGB-T inverters
Vehicle & powertrain control software	STARD EV Gen 3 firmware & control strategy
Torque Control	Driver adjustable 2-Axle Torque Vectoring system with traction control
Regen Control	Driver adjustable torque blending
<b>Battery pack (RESS)</b>	<b>STARD RESS-TR-0905-A02 Motorsport Battery Pack</b>
Cells	Ultra High Performance Li-polymer NMC pouch cells
Pack construction	STARD gen 3 "cell to pack" design
Minimum Charging Time 80% SOC	Fast DC-10 min, STD DC-30 min
Crash safety	in accordance with latest FIA BEV RESS crash safety requirements
System Voltage / Energy Content	907 V / 50 kWh
RESS peak discharge performance	1500 kW
RESS peak regen performance	800 kW
Cooling/Heating	STARD proprietary liquid conditioning system gen 3
Cooling concept	STARD ultra compact and lightweight system optimised for high power density
Cooling Medium	di-electric fluid
<b>Electric / Electronic</b>	
Electric Architecture	STARD EV motorsport gen 3 architecture, fully FIA EV regulation compliant
Driver display / data logger	Motec C187 Display with Logging Function
Power distribution	Motec PDM30 Power Box
<b>Transmission</b>	<b>STARD 2-Motor single speed EV motorsport transmission</b>
Type	2 Motor shared Input Shaft, 2 stage, parallel shaft, single-speed reducer with straight cut gears
Position	Front 1 Transmission with 2 Motors, Rear 1 Transmission with 2 Motors
Lubrication system	dry sump lubrication with spray nozzles
Differential	Multi-disc adjustable limited Slip Differential
<b>Suspension</b>	
Wheels	18X12,5" OZ-Racing Forged Magnesium Wheels
Tires	Pirelli P Zero 325/705 - 18
Type	SLA double wishbone Fr & Rr
Damper	KW Competition V6 Racing TwinTube Damper, 5-way adjustable
<b>Steering / Brake</b>	
Steering	Ford Performance EPAS
EPAS software	Ford Performance developed Driver adjustable motorsport calibration
Brake system	Carbonceramic Discs with Alcon 6-Piston front and 4-Piston Rr calipers
<b>Dimensions</b>	
Length	5230 mm
Width	2290 mm
Height	1990 mm
Weight Demo-Events	1,684 kg race ready