

Panamera Turbo S E-Hybrid Sport Turismo

Drive system

Type	Parallel full hybrid with plug-in technology, combustion engine and hybrid module with electric motor and electromagnetically actuated decoupler
Maximum system power	500 kW (680 hp)
at engine speed	5,750 – 6,000 rpm
Maximum system torque	850 Nm
at engine speed	1,400 – 5,500 rpm

Combustion engine

Type	V8 biturbo petrol engine
Number of cylinders	8
Valves/cylinders	4
Displacement	3,996 cm ³
Bore	86.0 mm
Stroke	86.0 mm
Max. power output	404 kW (550 hp)
at engine speed	5,750 – 6,000 rpm
Max. torque	770 Nm
at engine speed	1,960 – 4,500 rpm
Max. power output per litre	101.0 kW/l (137.5 hp/l)
Compression ratio	10.1:1
Max. engine speed	6,800 rpm
Cooling system	Water cooling, thermal management with control thermostat and potted water pump

Electric motor

Type	Permanently excited synchronous machine with external rotor
Max. power output	100 kW (136 hp)
at engine speed	2,800 rpm
Max. torque	400 Nm
at engine speed	100 – 2,300 rpm

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Plug-in system

Traction battery	Lithium-ion battery with temperature control
Energy content	14 kWh
Rated voltage	382 V
Charger	On-board charger delivering 3.6 kW (7.2 kW as an option)

Kraftübertragung

Powertrain	Porsche Traction Management (PTM): Active all-wheel drive with electronic, map-controlled multiplate clutch, variable torque distribution between front and rear axles; Porsche Torque Vectoring Plus (PTV+): Variable torque distribution at the rear wheels including electronically controlled rear differential lock	
Transmission	Eight-speed double-clutch transmission (PDK)	
Transmission ratio		
	1st gear	5.97
	2nd gear	3.24
	3rd gear	2.08
	4th gear	1.42
	5th gear	1.05
	6th gear	0.84
	7th gear	0.68
	8th gear	0.53
	Reverse gear	5.22
	Rear axle	3.15

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Chassis

Suspension	Adaptive air suspension with switchable three-chamber air springs and adjustable dampers (Porsche Active Suspension Management, PASM); Porsche Dynamic Chassis Control Sport (PDCC Sport): Active roll stabilisation with electromechanical anti-roll bar on the front and rear axle
Front axle	Aluminium double wishbone suspension, independent wheel suspension
Rear axle	Aluminium multi-link suspension with chassis subframe, independent wheel suspension
Steering	Electromechanical Power Steering Plus; optional rear-axle steering
Steering ratio	15.5:1 (centre position) up to 9.3:1; with rear-axle steering 14.2:1 (centre position) up to 9.3:1
Steering wheel diameter	375 mm
Turning circle diameter	11.9 m; with rear-axle steering 11.4 m
Vehicle stability system	Porsche Stability Management (PSM) including ABS with enhanced braking functions

Brakes

Brake system	Porsche Ceramic Composite Brake (PCCB); ten-piston aluminium monoblock fixed-calliper brakes, front; four-piston aluminium monoblock fixed-calliper brakes, rear
Brake discs, front axle	Carbon-fibre-reinforced ceramic brake discs; vented and perforated
Diameter	420 mm
Thickness	40 mm
Brake discs, rear axle	Carbon-fibre-reinforced ceramic brake discs; vented and perforated
Diameter	410 mm
Thickness	32 mm

Wheels and tyres

Wheels with tyres, front	9.5 J x 21 ET 71 with 275/35 ZR 21 tyres
Wheels with tyres, rear	11.5 J x 21 ET 69 with 325/30 ZR 21 tyres

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Dimensions

Length	5,049 mm
Width (with exterior mirrors)	1,937 mm (2,165 mm)
Height	1,432 mm
Wheelbase	2,950 mm
Track width, front	1,657 mm
Track width, rear	1,637 mm

Luggage compartment volumes and weights

Luggage compartment volumes	425 – 1,295 l
Weight empty (DIN)	2,325 kg
Allowable gross weight	2,900 kg
Power-to-weight ratio	3.4 kg/hp

Driving performance

Top speed	310 km/h
Acceleration	
0 – 60 mph	3.2 s
0 – 100 km/h	3.4 s
0 – 160 km/h	7.7 s
0 – 200 km/h	11.9 s
Top speed (electric)	140 km/h
Acceleration (electric)	
0 – 60 km/h	6.1 s

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Fuel and emissions

Fuel type	Super Plus (98 RON)
Fuel consumption combined	3.0 l/100 km
CO₂ emissions	69 g/km
Energy consumption	17.6 kWh/100 km
Emissions standard	Euro 6
Efficiency class in Germany	A+
Tank capacity	80 l
Electric range	25 – 49 km

Aerodynamics

Drag coefficient c_d	0.30
Frontal area A	2.39 m ²
$c_d \times A$	0.717