

Panamera Turbo E-Hybrid

Fuel and emissions (WLTP)

Fuel consumption combined (weighted)	1.7 – 1.2 l/100 km
Fuel consumption with an empty battery	11.7 – 10.5 l/100 km
Energy consumption combined (weighted)	29.9 – 27.6 kWh/100 km
CO ₂ emissions combined (weighted)	39 – 27 g/km
CO ₂ class combined (weighted)	B
CO ₂ class with empty battery	G
Electric range (EAER)	74 – 91 km
Electric range, urban (EAER city)	83 – 93 km
Emissions standard	EU6 EA
Fuel type	Super Plus (98 RON)
Fuel tank capacity	80 l

Drive system

Type	Parallel full hybrid with plug-in technology; combustion engine with electric motor integrated into the transmission, electromagnetic clutch
Maximum system power	500 kW (680 PS)
at engine speed	5,500 – 6,800 1/min
Maximum system torque	930 Nm
at engine speed	1,600 – 4,900 1/min

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Combustion engine

Type	V8, twin-turbo; with petrol particulate filter
Number of cylinders	8
Valves per cylinder	4
Displacement	3,996 cm ³
Bore	86.0 mm
Stroke	86.0 mm
Maximum power	382 kW (519 PS)
at engine speed	6,000 1/min
Maximum torque	770 Nm
at engine speed	2,330 – 4,000 1/min
Specific output	95 kW/l (129 PS/l)
Compression ratio	9.7:1
Maximum engine speed	6,800 1/min
Cooling system	Water cooling, thermal management with control thermostat
Valve control	VarioCam Plus: camshaft control on the inlet and outlet sides; two-stage variable valve lift on the inlet side

Electric motor

Type	Permanent magnet synchronous motor with internal rotor
Maximum power	140 kW (190 PS)
at engine speed	3,200 1/min
Maximum torque	450 Nm
at engine speed	700 – 2,971 1/min

Plug-in system

Drive battery	Temperature-controlled lithium-ion battery
Energy capacity	25.9 kWh
Nominal voltage	370 V
Charger	On-board charger with 11 kW capacity
Charging time (at 9.6 kW, 0-100 %)	approx. 3 h 15 min
Charging time (at 11 kW, 0-100 %)	approx. 2 h 39 min

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Power transmission

Drive system	Porsche Traction Management (PTM): active all-wheel drive with electronically regulated, map-controlled multi-plate clutch, variable torque distribution between front and rear axle	
Gearbox	Eight-speed Porsche Doppelkupplung (PDK)	
Gear ratios		
	1 st gear	5.97
	2 nd gear	3.22
	3 rd gear	2.08
	4 th gear	1.42
	5 th gear	1.05
	6 th gear	0.84
	7 th gear	0.68
	8 th gear	0.53
	Reverse gear	5.32
	Rear-axle gear ratio	3.15

Chassis

Suspension and damping	Adaptive two-chamber air suspension with height adjustment; Porsche Active Suspension Management (PASM): electronically controlled damping system with two-valve dampers, continuous damper control and three manually selectable control maps	
Front axle	Aluminium double-wishbone front axle	
Rear axle	Aluminium multi-link suspension	
Steering	Electromechanical Power Steering Plus	
Steering ratio	15.4:1 (on-centre)	
Turning circle diameter	11.9 m	
Vehicle stability system	Porsche Stability Management (PSM) with ABS and extended brake functionalities	

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Brakes

Brake system	Hydraulic dual-circuit brake system with front axle/rear axle split; electric brake booster; electric duo-servo parking brake (EPB); auto hold function; multi-collision brake
Front brakes	Ten-piston aluminium monobloc fixed-calliper brakes; grey cast-iron discs, internally vented and grooved
Diameter	420 mm
Thickness	40 mm
Rear brakes	Four-piston aluminium monobloc fixed-calliper brakes; grey cast-iron discs, internally vented and grooved
Diameter	380 mm
Thickness	30 mm

Wheels and tyres

Front wheels and tyres	9.5 J x 20 ET 71 with 275/40 ZR 20 tyres
Rear wheels and tyres	11.5 J x 20 ET 68 with 315/35 ZR 20 tyres

Dimensions

Length	5,054 mm
Width (including exterior mirrors)	1,937 mm (2,165 mm)
Height	1,421 mm
Wheelbase	2,950 mm
Front track width	1,666 mm
Rear track width	1,639 mm

Luggage compartment volume and weights

Luggage compartment volume	421 – 1,255 l
Unladen weight (DIN)	2,360 kg
Permissible gross weight	2,830 kg
Permissible roof load (with Porsche roof transport system)	75 kg

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Performance

Top speed	315 km/h
Top speed with electric motor only	140 km/h
Acceleration	
0 – 60 mph	3.0 s
0 – 100 km/h	3.2 s
0 – 160 km/h	7.3 s
0 – 200 km/h	11.3 s

Aerodynamics

Drag coefficient (c_d)	0.28
Frontal area A	2.41 m ²
$c_d \times A$	0.675 m ²