

# Audi A6 Avant



## e-hybrid S tronic 220 kW

### Engine / electrics

Engine type	Inline 4-cylinder engine
Valve gear / number of valves per cylinder	Roller cam follower, continuous intake and exhaust camshaft adjustment, hydraulic valve-play compensation / 2/2 inlet/exhaust valves per cylinder
Displacement in cc / bore x stroke in mm / compression	1984 / 82.5 x 92.8 / 10.5
Max. power output in kW (PS) / at rpm	185 (252) / 5000 - 6500
Max. torque in Nm ( <i>lb-ft</i> ) / at rpm	380 (280.3) / 1600 - 4500
Mixture preparation	Direct injection, lambda control, knock control, turbocharger, intercooler
Exhaust emission control	Catalytic converter, oxygen sensor, gasoline particulate filter
Emission standard	Euro 6e-bis
Charging time AC 0-100%, 3ph 16A@230V in min	150
Max. charging capacity AC in kW	11
Max. electrical output at 12V in kW	3
On-board voltage 1 in volts	12
Voltage level of the HV battery in volts	400

### Hybrid

Battery type (high-voltage) / number of cells	Lithium-ion / 102
Gross / net battery capacity in kWh	25.9 / 20.7
Max. system output in kW (PS)	220 (299)
Continuous electrical output in kW	55
Total system torque output in Nm ( <i>lb-ft</i> )	450 (331.9)
Electrical torque output in Nm ( <i>lb-ft</i> )	350 (258.1)

### Drivetrain / transmission

Drive type	quattro all-wheel drive with ultra technology
Clutch	Hydraulically actuated dual clutch (wet)
Transmission type	7-speed S tronic
Transmission ratio in 1 <sup>st</sup> /2 <sup>nd</sup> gear	3.188 / 2.190
Transmission ratio in 3 <sup>rd</sup> /4 <sup>th</sup> gear	1.517 / 1.057
Transmission ratio in 5 <sup>th</sup> /6 <sup>th</sup> gear	0.738 / 0.557
Transmission ratio in 7 <sup>th</sup> /8 <sup>th</sup> gear	0.433 / -
Reverse gear ratio / final drive ratio 1-2 / 2-3	2.750 / 4.410 / -

### Suspension / steering / brakes

Type and design of front-axle suspension	5-link front axle
Type and design of rear-axle suspension	5-link rear axle
Wheels (basic) // Tires (basic)	Cast aluminum 8 J x 18 // 225 / 55 R 18
Steering	Electromechanical progressive steering with speed-dependent power assistance
Steering ratio	15.2
Turning circle in m ( <i>ft</i> )	12.4 (40.7)
Brake system	ESC/ABS/EBD, brake unit, hydraulic brake assist; Front: floating calipers; Rear: floating calipers with integrated electronic parking brake
Brake disk diameter front / rear in mm ( <i>in</i> )	360 / 350 (14.2 / 13.8)

---

**Performance / range**

Top speed / electrical in km/h ( <i>mph</i> )	250 (155.3) (limited) / 140 (87.0)
System acceleration, 0-100 km/h (0-62.1 <i>mph</i> )	6
Electrical range, City (EAER) in km ( <i>mi</i> )	99 - 109 (61.5 - 67.7)
Electrical range, combined (EAER) in km ( <i>mi</i> )	90 - 104 (55.9 - 64.6)
Fuel type / octane value / fuel standard	Gasoline / 95 / DIN EN 228

---

**Consumption / emission\***

Electric power consumption, weighted combined in kWh/100 km (62.1 <i>mi</i> )	16.2 - 15.2
Fuel consumption, weighted combined in l/100 km ( <i>US mpg</i> )	2.9 - 2.2 (81.1 - 106.9)
Fuel consumption with discharged battery combined in l/100 km ( <i>US mpg</i> )	7.6 - 6.7 (30.9 - 35.1)
CO <sub>2</sub> emissions, weighted combined, in g/km ( <i>g/mi</i> )	65 - 51 (104.6 - 82.1)
CO <sub>2</sub> class, weighted combined	B
CO <sub>2</sub> class with discharged battery	F - E

---

**Servicing / guarantee (Germany)**

Service interval	30,000 km (18,641.1 <i>mi</i> ) / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	19 / 27 / 28

---

**Weights / loads**

Unladen weight without driver / with driver / gross weight limit in kg ( <i>lb</i> )	2150 / 2225 / 2760 (4739.9 / 4905.3 / 6084.8)
Front / rear axle load limit in kg ( <i>lb</i> )	1260 / 1585 (2777.8 / 3494.3)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg ( <i>lb</i> )	2000 / 2000 // 750 (4409.2 / 1653.5 // 4409.2)
Roof load limit / permissible nose weight in kg ( <i>lb</i> )	100 (220.5) / 95 (209.4)

---

**Capacities**

Cooling system capacity (incl. heating) in l ( <i>US gal</i> )	20.1 (5.3)
Engine oil capacity, including filter (change volume) in l ( <i>US qt</i> )	6 (6.3)
Fuel tank capacity / optional in l ( <i>US gal</i> )	46 (12.2) / -

<b>Dimensions** / body</b>	
Body type / number of doors / number of seats	Unitary steel/aluminum composite construction / 5 / 5
Drag coefficient $C_d$ / frontal area A in m <sup>2</sup> (sq ft)	0.28 / 2.33 (25.1)
Vehicle height from - to in mm (ft)	1438 - 1490 (4.7 - 4.9)
Vehicle length from - to in mm (ft)	4999 - 5003 (16.4 - 16.4)
Vehicle width, without mirrors, from - to in mm (ft)	1875 - 1875 (6.2 - 6.2)
Vehicle width, including mirrors, in mm (ft)	2099 (6.9)
Wheelbase (full load) from - to // track width front/rear in mm (ft)	2927 - 2932 (9.6 - 9.6) // 1626 / 1610 (5.3 / 5.3)
Overhang angle, front / rear in degrees	14.4 / 16.8
Height of loading edge from - to in mm (ft)	643 - 678 (2.1 - 2.2)
Luggage compartment behind the 2 <sup>nd</sup> seat row in l (cu ft)	404 (14.3)
Largest luggage capacity behind the 1 <sup>st</sup> seat row in l (cu ft)	1423 (50.3)

\*Information on fuel/power consumption and CO<sub>2</sub> emissions in ranges depending on the chosen equipment level of the car.

\*\*Value range taking into account different chassis and equipment lines in relation to the basic model.