
Audi urban concept Spyder

The Audi urban concept Spyder technology study is a showcase for the mobility of tomorrow. The electrically driven show car brings together elements of a race car, a roadster, a fun car and a city car.

The Audi urban concept Spyder, shown for the first time at the 2011 Frankfurt Auto Show, heralds Audi's new era of smart mobility. The technology study runs purely on electricity and is conceived as a vehicle for modern, lifestyle-oriented people living in urban areas. With its radical lightweight design concept, the innovative 1+1-seater is focused on the pure essence of driving.

The look of the white Audi urban concept Spyder, with its slender bodyshell, is dynamic and emotional. Close-fitting protective panels with LED indicator strips encase the free-standing, 21-inch wheels running on a highly sophisticated suspension..

Thanks to Audi's ultra-lightweight design, the technology showcase weighs in at just 480 kilograms. Its outer skin is made from carbon-fiber reinforced polymer (CFRP); the monocoque structure features a mix of CFRP and aluminum. A low window strip runs around three sides of the bodyshell, flowing down toward the rear; the doors open diagonally upward. In parallel to this variant, Audi also developed a closed coupe. Its roof slides open and can remain open while driving.

The cabin accommodates two people; sitting slightly offset from one another and low to the ground. All operating elements and materials are subject to the edict of Audi ultra-lightweight design, giving them a uniquely fascinating character. The steering column of the innovative 1+1-seater presents a powerful profile with an elegant design. It is unenclosed, mounted almost horizontally and has a high degree of travel. The small, hexagonal steering wheel incorporates buttons and rollers for system control and for operating the electric drive programs. A display in front of the driver presents all key information.

The lithium-ion battery is located transversely behind the seats. It stores 7.1 kWh of energy, which is sufficient for around 70 km in the NEDC. The two electric motors between the rear wheels produce a total of 15 kW (20 hp) constant output and 47 Nm of torque.

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