

EV COMPARAISON



Model Y - Grande autonomie



Mach-e Standard



EV6 GT-Line

Vehicle and engine specifications

Battery capacity	 76	 72,6	 77,4
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Usually expressed in kilowatt-hours (kWh). This measurement indicates the amount of electrical energy the battery can store and deliver. The higher the kWh capacity, the further the car can travel without recharging. Battery capacity directly influences the electric car's range, i.e. the maximum distance it can cover on a full charge.

Power	 300 hp (220 kw)	 269 hp (198 kw)	 229 hp (168 kw)
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Expressed in kilowatts (kW) and horsepower (hp) (traditional automotive units). The power of an electric car is a key indicator of its performance, in particular its ability to accelerate and reach a certain maximum speed. Power represents the amount of energy the electric motor can produce or use at a given moment. One of the advantages of electric motors over internal combustion engines is their ability to deliver high torque instantly from start-up, resulting in rapid, responsive acceleration. Even electric cars with relatively modest power ratings can deliver impressive acceleration sensations, especially at low speeds.

Max. recharge power	 250 kw	 115 kw	 233 kw
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Speed at which the vehicle's battery can be recharged from 0 to 100% under ideal conditions, expressed in kilowatts (kW) and depends on the capacity of the vehicle's recharging system and the power source (charging station). Charging power varies considerably from one vehicle to another and can be influenced by the type of charger used: *Slow (or standard) charging, *Accelerated charging, *Fast charging, * Ultra-fast charging

Weight	 2071 kg	 2104 kg	 2090 kg
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The weight of an electric car is generally greater than that of an internal combustion engine (ICE) car of similar size. This weight difference is mainly due to the battery, which is one of the heaviest components of an electric vehicle (EV). Lithium-ion batteries, used in the majority of EVs, can weigh several hundred kilograms, significantly influencing the vehicle's overall weight.

WLTP range	 533 km	 440 km	 528 km
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WLTP Protocol : Test lasting 30 minutes, distance covered 23.25 km, average speed 46.5 km/h, maximum speed 131 km/h, gear changes adapted to the vehicle, 52% simulated urban driving and 48% non-urban driving, measurements taken at a temperature of 14° at start-up, then 23°, weight of options taken into account.

Warranty (EV)	 8 years (192 000 km)	 8 years (160 000 km)	 7 years (150 000 km)
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Typically the battery and electric drive train, which are key components of electric vehicles. *Battery warranty: guaranteed against manufacturing defects and excessive loss of capacity over time, i.e. below 70-80% of initial capacity. *Powertrain warranty: covers manufacturing defects and failures in the electric propulsion system.

Remote update			
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Over-The-Air (OTA). allows you to modify or enhance your vehicle's functionality, performance, safety and entertainment systems, without the need to bring the vehicle to a dealership or repair shop. *Software enhancements, * Performance optimization, * Safety improvements, *Convenience updates.

Sentry mode	 Tesla exclusivity		
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Advanced security functionality. Functionality that monitors suspicious activity around the vehicle when parked and locked. When suspicious movement is detected, the vehicle reacts according to the severity of the threat.



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Driving assistance

Staying on track			
<i>Assists the driver by ensuring that the vehicle stays in its lane.</i> Uses a series of sensors, cameras and sometimes radar to detect lane markings and the vehicle's position in relation to them. By identifying lane markings, the system can actively intervene to help keep the vehicle centered in its lane.			
Traffic sign recognition			
<i>Uses cameras and image processing algorithms to identify and interpret road signs.</i> Ce système améliore la sécurité et le confort en fournissant au conducteur des informations en temps réel sur les règles de circulation, les limitations de vitesse, et d'autres avertissements ou obligations.			
Head-up display			
<i>Projects important information directly into the driver's field of vision</i> Improves safety and comfort by displaying information on the windshield or on a small transparent panel, reducing the need for the driver to look away from the road to consult data.			
One drive pedal			
<i>Allows the driver to control both acceleration and deceleration using only the accelerator pedal.</i> Takes advantage of regenerative braking and reduces brake wear			
Adaptive cruise control			
<i>Automatically adjusts vehicle speed to maintain a safe distance from the vehicle in front.</i>			
Anti-collision system			
<i>Advanced safety technology designed to reduce the risk of road accidents</i> Uses a combination of sensors, radar, cameras and, in some cases, lidar to constantly monitor the environment around the vehicle, detect potential obstacles, and proactively intervene to avoid a collision or minimize its effects.			
Emergency avoidance			
<i>Helps avoid imminent collisions or reduce their severity in emergency situations.</i>			
Blind spot monitoring			
<i>Helps drivers detect vehicles in their own vehicle's blind spots while driving.</i>			
Automatic high beam			
<i>Automatically adjusts low and high beam according to traffic conditions and ambient lighting.</i> Provides better visibility and avoids dazzling other drivers.			
LED matrix headlamps			
<i>Dynamic, precise light beam management.</i> Adapts lighting to maximize visibility without dazzling other road users. Use several independent, individually controlled LED light sources to modulate the light beam according to the driving situation.			



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Interior/exterior vehicle equipment

Audio Premium			
<i>High-quality audio systems designed to deliver an exceptional in-car listening experience.</i> Clarity and precision of sound reduce fatigue on long journeys.			
Apple car play / Android auto			
<i>Software interfaces developed by Apple and Google respectively, designed to integrate smartphones with vehicle infotainment systems</i> Allows drivers to access key phone functions via the dashboard touchscreen, voice commands or steering wheel buttons, enhancing safety and comfort while driving.			
Induction phone charger			
<i>Allows wireless recharging of smartphones compatible with inductive or Qi wireless recharging technology.</i> Eliminates the need for charging cables by using an electromagnetic field to transfer energy between the charger and the phone battery			
Dual-zone air conditioning			
<i>Allows temperature to be set and controlled separately in two distinct zones of the passenger compartment.</i> Allows you to customize the thermal environment according to individual preferences, without having to conform to a single temperature set for the entire vehicle interior.			
Keyless entry			
<i>To lock and unlock vehicle doors without using a physical key.</i> Often combined with keyless start, allowing the vehicle to be started at the touch of a button, as long as the fob key is detected inside the vehicle.			
Electric tailgate			
<i>Tailgate equipped with an electric motor to open and close it.</i> Controlled by a button usually located on the vehicle key, on the dashboard, or close to the liftgate itself.			
Hands-free tailgate			
<i>Opening and closing the tailgate using a motion sensor.</i> The sensor detects a specific movement under the rear bumper (such as a sweep of the foot)			
Electrically folding mirrors			
<i>Allows the exterior mirrors to fold automatically against the vehicle doors , at the touch of a button or when the doors are locked.</i>			
Heated rearview mirrors			
<i>Defrosts or defogs exterior mirrors automatically or on command</i> Ensures better visibility for the driver while driving.			
Electrically adjustable front seats			
<i>Allows the seat position to be adjusted using electric controls rather than manual adjustments.</i> More precise position customization			



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Driver's seat position memory			
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Memory function. Particularly useful in vehicles used by several drivers, enabling everyone to quickly find their ideal driving position at the touch of a button.

Heated front seats			
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Warms driver and front passenger seats Provides a direct source of heat, contributing to a more comfortable driving experience in cold weather conditions.

Heated rear seats			
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Warms rear seats Provides a direct source of heat, contributing to a more pleasant and comfortable driving experience in cold weather conditions.

Heated steering wheel			
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Warms the surface of the steering wheel, making it more pleasant to hold and helping to reduce cold hands without the need for gloves. A simple but effective solution to improve the driving experience in cold weather.

Panoramic roof			
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Consists of a large glass surface or several glass panels located on the vehicle roof. Increases natural light in the cabin and offers an unobstructed view of the sky, enhancing the driving experience and the feeling of open space inside the vehicle.

360° camera			
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Panoramic view system or peripheral vision camera Uses multiple exterior cameras strategically placed around the vehicle to capture images of all sides, including the front, rear and flanks, then combines these images to create a 360-degree aerial view of the space surrounding the vehicle.

Study carried out in Nov. 2023, based on specifications published by the manufacturers on their respective websites.

Legend : = Included = Optional = Not included