

XPeng P7 2020 586E Specifications

Basic Information

Parameter	XPeng P7 2020 586E
Official Price	RMB 280,900
Manufacturer	XPengVehicle
Class	mid-largeVehicle
Energy Type	Pure Electric
Market Time	2020.04
Electric Description	Pure Electric 267 hp
CLTC Range	586
Nedc Recharge Mileage	-
Wltc Recharge Mileage	-
CLTC Pure Electric Range (km)	-
High-Voltage Fast Charging Platform	-
500	-
800	-
Charging Time	Fast charge 25 min; Slow charge 5.7 h
Fast Charging Window (%)	80
Maximum Power (kW)	196(267Ps)
Maximum Torque (N-m)	390
Transmission Description	EV single-speed transmission
Length x Width x Height (mm)	4880x1896x1450
Body Structure	4-door 5-seat sedan
Top Speed (km/h)	170
Official 0-100 km/h Acceleration (s)	6.7
Energy Consumption (kWh/100km)	17
Equivalent Fuel Consumption (L/100km)	-
Vehicle Warranty	5 years or 120,000 km
Estimated Maintenance Cost over 60,000 km	RMB 3,018

Body

Parameter	XPeng P7 2020 586E
Length (mm)	4880
Width (mm)	1896
Height (mm)	1450
Wheelbase (mm)	2998
Front Track (mm)	1615
Rear Track (mm)	1621
Minimum Ground Clearance (mm)	-
Body Structure	sedan
Number of Doors	4
Door Opening Type	Hinged doors
Seats	5
Curb Weight (kg)	1890
Gross Weight (kg)	2265
FrontCargo Volume(L)	-
Cargo Volume (L)	440
Minimum Turning Radius (m)	-
Drag Coefficient (Cd)	0.236

Electric Motor

Parameter	XPeng P7 2020 586E
Electric Description	Pure Electric 267 hp
Motor Type	Permanent magnet synchronous
Total Motor Power	196
Total Motor Horsepower (Ps)	267
Total Motor Torque	390
Front Motor Max Power (kW)	-
Front Motor Max Torque (N·m)	-
Rear Motor Max Power (kW)	196
Rear Motor Max Torque (N·m)	390
Drive Motor Count	Single motor
Motor Layout	Rear-mounted

Battery / Charging

Parameter	XPeng P7 2020 586E
Battery Type	Ternary lithium battery
Battery Special Technology	-
Cell Brand	CATL, CALB, EVElithium energy
Battery Warranty	8 years or 150,000 km
Battery Capacity	-
Battery Energy Density (Wh/kg)	-
Battery Charging Rate	-
5	-
Battery Charging (Summary)	● Standard: Fast charge 25 min; ● Standard: Slow charge 5.7 h; ● Standard: Fast charging port
Charging Time	Fast charge 25 min; Slow charge 5.7 h
Battery Charging - Fast Charging Port	● Standard: Fast charging port
MAX Fast Charge Power	-
Fast Charging Port Position (Summary)	-
Fast Charging Port Position - Option	-
Slow Charging Port Position (Summary)	-
Slow Charging Port Position - Option	-
Left Fuel Tank Position	-
Battery Heating System	Standard
Battery Cooling System	Liquid cooling
One-pedal Mode	Standard
VTOL Mobile Power Station	-
VTOL Maximum External Discharge Power	-
VTOV Maximum External Discharge Power	-

Transmission

Parameter	XPeng P7 2020 586E
Transmission Description	EV single-speed transmission
Number of Gears	1
Transmission Type	Fixed Gear Ratio Transmission

Chassis / Steering

Parameter	XPeng P7 2020 586E
Drive Type	Rear-mounted RWD
Four-wheel-drive Type	-
Front Suspension	double wishbone independent suspension
Rear Suspension	Multi-link independent suspension

Parameter	XPeng P7 2020 586E
Steering Type	Electric power steering
Vehicle Body Structure	Unibody

Wheels / Brakes

Parameter	XPeng P7 2020 586E
Front Brake Type	Ventilated disc
Rear Brake Type	Ventilated disc
Parking Brake Type	Electronic parking brake
Front Tire Size	245/50 R18
Rear Tire Size	245/50 R18
Spare Tire Specification	-
Passive Safety	-
ABS	Standard
Brake-force Distribution (EBD/CBC)	Standard
Brake Assist (EBA/BA)	Standard
Traction Control (TCS/ASR)	Standard
Body Stability System (ESP/DSC)	Standard
Active Safety Warning System	● Standard: Lane departure warning; ● Standard: Forward collision warning; ● Standard: Rear collision warning; ● Standard: Rear cross traffic alert; ● Standard: DOW door opening warning
Active Safety Warning System - Lane Departure Warning	● Standard: Lane departure warning
Active Safety Warning System - Forward Collision Warning	● Standard: Forward collision warning
Rear collision warning	● Standard: Rear collision warning
Rear cross traffic alert	● Standard: Rear cross traffic alert
DOW door opening warning	● Standard: DOW door opening warning
Front cross traffic alert	-
Front cross traffic braking	-
Automatic Emergency Braking	Standard
Blind Spot Assist	Standard
Lane Keeping Assist	Standard
Lane Centering Assist	Standard
Driver Fatigue Warning	Standard
Active DMS Fatigue Detection	-
Cabin Vital-sign Detection	-
Traffic Sign Recognition	Standard
Traffic Light Recognition	-
Night Vision System	-
Passive Safety	-
Front Airbags (Summary)	● Standard: Driver seat; ● Standard: Passenger seat
Front Airbags - Driver	● Standard: Driver seat
Front Airbags - Front Passenger	● Standard: Passenger seat
Side Airbags (Summary)	● Standard: Front row
Side Airbags - Front Row	● Standard: Front row
Side Curtain Airbags	Standard
Front Knee Airbags	-
Center Airbag	-
Front row	-
Seat Belt Reminder	Standard
TPMS	Tire pressure display
ISOFIX	Standard
Passive Pedestrian Protection	-
Run-flat Tire	-
Driver Assistance / Control	-

Parameter	XPeng P7 2020 586E
Parking Radar (Summary)	● Standard: Front; ● Standard: Rear
Front	● Standard: Front
Parking Radar - Rear	● Standard: Rear
Front Vehicle Departure Reminder	-
Narrow Road Assistance	-
Driving Assistance Camera (Summary)	● Standard: Rear view camera; ● Standard: 360-degree panoramic camera; ● Standard: Transparent view
Driving Assistance Camera - Reverse Camera	● Standard: Rear view camera
Side Blind Zone Camera	-
Driving Assistance Camera - 360° Panoramic Camera	● Standard: 360-degree panoramic camera
Driving Assistance Camera - Transparent Chassis View	● Standard: Transparent view
Cruise System (Summary)	● Standard: Cruise control; ● Standard: Adaptive cruise control; ● Standard: Full-speed adaptive cruise control
Cruise System - Option	● Standard: Cruise control
Cruise System - Adaptive Cruise Control	● Standard: Adaptive cruise control
Cruise System - Full-speed Adaptive Cruise Control	● Standard: Full-speed adaptive cruise control
Automatic Lane Change Assist	Standard
Automatic Ramp Exit / Entry	Standard
Navigation Assisted Driving	-
Highway navigation assist	-
Urban navigation assist	-
ADAS Level	L2
Automatic Parking	Standard
Reverse Path Tracking	-
Memory Parking	Optional
Auto Hold	Standard
Hill Start Assist (HAC)	Standard
Hill Descent Control (HDC)	-
Variable Suspension	-
Air Suspension	-
Air Suspension Type	-
Dual Chamber	-
Electromagnetic Suspension	-
Variable Steering Ratio	-
Front Axle Limited-slip Type	-
Rear Axle Limited-slip Type	-
Center Differential Lock	-
Active Rear Steering	-
Drive Mode Selection (Summary)	● Standard: Sport; ● Standard: ECO/Economy; ● Standard: Standard Comfort
Drive Mode Selection - Sport	● Standard: Sport
Drive Mode Selection - Snow	-
Drive Mode Selection - Custom	-
Drive Mode Selection - ECO	● Standard: ECO/Economy
Drive Mode Selection - Standard / Comfort	● Standard: Standard Comfort
LaunchMode	-
Track	-
Brake Energy Recovery	Standard
Comfortable Braking	-
Low-speed Warning Sound	Standard
Interior Features	-
Sunroof Type	Segmented fixed sunroof
Smart Dimming Roof	-
Roof Rack	-

Parameter	XPeng P7 2020 586E
Sport Appearance Package	-
Power Spoiler	-
Active Grille Shutters	-
Alloy Wheels	Standard
Frameless Doors	Standard
Hidden Door Handles	Standard
Tow Hook	-
Comfort / Anti-theft	-
Steering Wheel Material (Summary)	● Standard: Genuine leather
Genuine leather	● Standard: Genuine leather
Steering Wheel Adjustment	Tilt and telescopic
Power Steering Wheel Adjustment	-
Steering Wheel Functions (Summary)	● Standard: Multifunction controls
Steering Wheel Functions - Multi-function Control	● Standard: Multifunction controls
Memory	-
Heating	-
Gear Selector Type (Summary)	-
Gear Selector Type - Option	-
LCD Cluster Style	Full LCD
LCD Cluster Size (in) (Summary)	● Standard: 10.25
LCD Instrument Cluster Size - 8.8 in	-
10.25	● Standard: 10.25
LCD Instrument Resolution	-
1920x720	-
Instrument Cluster Screen Pixel Density(PPI)	-
200	-
Exterior Features	-
Soft-close Doors	-
PowerSwing/Swing-Up Door	-
Power Tailgate	-
Hands-free Tailgate	-
Tailgate Position Memory	-
Central Locking	Standard
Remote Key Type (Summary)	● Standard: Smart remote key; ● Standard: NFC/RFID key; ● Standard: Phone Bluetooth key
Remote Key Type - Smart Remote Key	● Standard: Smart remote key
Remote Key Type - NFC/RFID Key	● Standard: NFC/RFID key
Remote Key Type - Bluetooth Key	● Standard: Phone Bluetooth key
UWB Digital key	-
Keyless Entry	All windows
Keyless Start	Standard
Remote Start	Standard
Remote Vehicle Move	Standard
Vehicle Summon	-
Head-up Display (HUD)	-
AR HUD	-
Built-in Driving Recorder	-
Factory ETC	-
Active Noise Cancellation	-
Wireless Phone Charging	Standard
Wireless Charging MAX Power (Summary)	-
15	-
Wireless Charging MAX Power 50	-
AC Power Outlet	Optional

Parameter	XPeng P7 2020 586E
Cargo 12V Power Outlet	-
Seat Features	-
Seat Material	Genuine leather
SeatsLeatherStyle	■ Optional: NappaGenuine leather
NappaGenuine leather	■ Optional: NappaGenuine leather
Sport Seats	-
Second-row Independent Seats	-
Zero Gravity Seat	-
Power Seat Adjustment (Summary)	● Standard: Driver seat; ● Standard: Passenger seat
Power Seat Adjustment - Driver	● Standard: Driver seat
Seat Power Adjustment - Front Passenger	● Standard: Passenger seat
Sunken Rear Seat Folding	-
Driver Seat Main Adjustments (Summary)	● Standard: Fore-aft adjustment; ● Standard: Backrest angle; ● Standard: Height adjustment
Driver Seat Main Adjustments - Fore / Aft	● Standard: Fore-aft adjustment
Driver Seat Main Adjustments - Backrest Angle	● Standard: Backrest angle
Driver Seat Main Adjustments - Height Adjustment	● Standard: Height adjustment
Driver Seat Fine Adjustments (Summary)	● Standard: lumbar
Lumbar	● Standard: lumbar
Leg rest	-
Front Passenger Seat Main Adjustments (Summary)	● Standard: Fore-aft adjustment; ● Standard: Height adjustment; ● Standard: Backrest angle
Front Passenger Seat Main Adjustments - Fore / Aft	● Standard: Fore-aft adjustment
Height adjustment	● Standard: Height adjustment
Front Passenger Seat Main Adjustments - Backrest Angle	● Standard: Backrest angle
Front Passenger Seat Fine Adjustments (Summary)	-
Lumbar	-
Second-row Seat Main Adjustments (Summary)	-
Second-row Seat Fine Adjustments	-
Front Seat Functions	● Standard: Heating; ● Standard: Ventilation(driver seat); ● Standard: Memory(driver seat)
Front Seat Functions - Option	● Standard: Heating
Ventilation	-
Memory	-
Massage	-
Ventilation(driver seat)	● Standard: Ventilation(driver seat)
Memory(driver seat)	● Standard: Memory(driver seat)
Second-row Seat Functions	-
Heating	-
Boss Key	-
Front / Rear Armrests (Summary)	● Standard: Front row; ● Standard: Rear row
Front / Rear Armrests - Front Row	● Standard: Front row
Rear row	● Standard: Rear row
Rear Cup Holder	Standard
Heated / Cooled Cup Holder	-
Rear Seat Folding Ratio	40:60
Second-row Tray Table	-
Audio / Entertainment	-
Center Screen Size (in)	14.96
Center Screen Material	-
Center Console Screen Material 2 - LCD	-
Center Screen Resolution (Summary)	-
2400x1200	-
Center Console ColorColorScreen Pixel Density(PPI)	-
179	-

Parameter	XPeng P7 2020 586E
Rotatable Center Screen	-
Satellite Navigation	Standard
AR Navigation	-
Navigation Traffic Display	Standard
MAP Brand (Summary)	-
Amap	-
Roadside Assistance	-
Bluetooth / Car Phone	Standard
Phone Mirroring (Summary)	-
Phone Mirroring - Carlink	-
Phone Mirroring - HUAWEI HiCar	-
Phone Mirroring - CarPlay	-
Phone Mirroring - Factory System	-
Connected Car	Standard
Mobile Network (Summary)	-
5G	-
Mobile Network - 4G	-
OTA Upgrade	Standard
Face Recognition	Standard
Fingerprint Recognition	-
Voiceprint Recognition	-
Emotion Recognition	-
Voice Recognition Control	Standard
Wake-word-free Voice Control	-
Voice Wake-up by Zone (Summary)	● Standard: single zone
Voice Wake-up by Zone - Four Zones	-
Voice Wake-up by Zone - Single Zone	● Standard: single zone
Continuous Voice Recognition	-
Visible-to-speak Control	-
Voice Assistant Wake-up Phrase	HelloSmallP
Gesture Control	-
Wi-Fi Hotspot	-
Windows / Mirrors	-
Multi-finger Screen Control	-
App Store	Standard
Media Interface (Summary)	● Standard: USB/Type-C
Media Interface - USB/Type-C	● Standard: USB/Type-C
USB/Type-C Port Count (Summary)	● Standard: Front row: 2; ● Standard: Rear row: 2
USB/Type-C Port Count - 2 Front	● Standard: Front row: 2
USB/Type-C Port Count - 1 Rear	● Standard: Rear row: 2
USB/Type-C Max Charging Power	-
Front row: 60 W	-
Rear row: 60 W	-
In-car TV	-
Rear LCD Screen	-
Rear rowScreen Size(Inch)	-
8	-
Simulated Engine Sound	-
Karaoke	Standard
Audio Brand	■ Optional: Dynaudio
Dynaudio	■ Optional: Dynaudio
Number of Speakers	● Standard: 8; ■ Optional: 18
4	-

Parameter	XPeng P7 2020 586E
8	● Standard: 8
18	■ Optional: 18
18	-
20	-
23	-
26	-
Dolby Atmos	-
Sound System Layout	-
Amplifier Max Output Power (W)	-
860	-
Seat Speakers (Headrest / Shoulder)	-
SKY Sound Channel	-
Rear Multimedia Controls	-
Windows / Mirrors	-
Low Beam	LED
High Beam	LED
Daytime Running Lights	Standard
Adaptive High / Low Beam	Optional
Automatic Headlights	Standard
Cornering Lights	Standard
Front Fog Lights	-
Adaptive Front-lighting System (AFS)	-
Headlight Height Adjustment	Standard
Headlight Washers	-
Ambient Lighting	Multi-color
Active Ambient Lighting	-
Standard	-
Special Lighting Functions	-
Lighting Projection Technology	-
Headlight Delay-off	Standard
Headlamp Rain / Fog Mode	-
CO2Heat pump A/CSystem	-
Power Windows (Summary)	● Standard: Front row; ● Standard: Rear row
Power Windows - Front Row	● Standard: Front row
Power Windows - Option	● Standard: Rear row
One-touch Windows	All windows
Anti-pinch Windows	Standard
Exterior Mirror Functions (Summary)	● Standard: Power adjustment; ● Standard: Heating; ● Standard: Power folding; ● Standard: Memory; ● Standard: ReverseAutomatictilt-down; ● Standard: Auto-fold on lock
Exterior Mirror Functions - Option	● Standard: Power adjustment
Exterior Mirror Functions - Heating	● Standard: Heating
Exterior Mirror Functions - Power Folding	● Standard: Power folding
Memory	● Standard: Memory
ReverseAutomatictilt-down	● Standard: ReverseAutomatictilt-down
Exterior Mirror Functions - Auto Fold on Lock	● Standard: Auto-fold on lock
Interior Mirror Functions	● Standard: AutomaticAnti-Glare
Automatic anti-glare	● Standard: AutomaticAnti-Glare
Streaming Media	-
Vanity Mirror (Summary)	● Standard: Driver seat+with lighting; ● Standard: Passenger seat+with lighting
Vanity Mirror - Option	● Standard: Driver seat+with lighting
Vanity Mirror - Option	● Standard: Passenger seat+with lighting
Rear Privacy Glass	-
Interior Sunshade	-

Parameter	XPeng P7 2020 586E
Rain-sensing Wipers	-
Rear Wiper	-
Multi-layer Acoustic Glass	-
Heated Windshield	-
Heated Washer Nozzles	-
LohasPackage	-
A/C Control Type	Automatic
Rear Independent A/C	-
Rear Air Vents	Standard
Temperature Zone Control	● Standard: Dual-zone climate control
Dual-zone climate control	● Standard: Dual-zone climate control
In-car Air Purifier	Standard
Cabin PM2.5 Filter	Standard
Negative-ion Generator	Standard
Fragrance System	-
AQS Air Quality Management	-
On-board Refrigerator	-
Refrigerator Functions	-

Smart Features

Parameter	XPeng P7 2020 586E
ADAS Operating System (Summary)	● Standard: XPILOT
XNGP	-
XPILOT	● Standard: XPILOT
Driver Assistance Chip	-
Turing	-
Turing*2	-
NVIDIA DRIVE Orin X	-
NVIDIA DRIVE Orin X*2	-
NVIDIA DRIVE Xavier	-
Driver Assistance Chip Computing Power (TOPS)	● Standard: 30
30	● Standard: 30
254	-
508	-
750	-
1500	-
CAR Intelligent System (Summary)	● Standard: Xmart OS
Dimensity AIOS	-
XOS Dimensity	-
Xmart OS	● Standard: Xmart OS
Vehicle Smart Chip	-
Qualcomm Snapdragon 8295	-
highthroughSnapdragon8295&Turing	-
highthroughSnapdragonSA8155P	-
highthroughSnapdragon8155P	-
Infotainment System Memory (GB)	-
8	-
Infotainment System Storage (GB)	-
CAR System Storage 128	-
Mobile App Remote Control (Summary)	● Standard: Digital key; ● Standard: Vehicle monitoring; ● Standard: Remote control; ● Standard: Charging management; ● Standard: Service appointment
Mobile App Remote Control - Digital Key	● Standard: Digital key

Parameter	XPeng P7 2020 586E
Mobile App Remote Control - Vehicle Monitoring	● Standard: Vehicle monitoring
Mobile App Remote Control	● Standard: Remote control
Mobile App Remote Control - Charging Management	● Standard: Charging management
Mobile App Remote Control - Service Appointment	● Standard: Service appointment
Heat Pump System	-
Number of Exterior Cameras	14
Exterior Camera Resolution	-
80010k*2unit,20010k*9unit	-
Interior Camera Count	-
Incar Camera Count 1	-
Incar Camera Count 2	-
Interior Camera Resolution	-
Number of Ultrasonic Radars	12
Millimeter Wave Radar	5
Laser Radar	-
LiDAR Brand	-
SpeedTengju Chuang	-
LiDAR Line Count (Lines)	-
126	-
Sub-meter High-precision Positioning	Standard
High-precision Map	-
Sentinel Mode	Standard
V2X Communication	-
Optional Package	-
Custom Options	Optional exterior, interior, wheels, brakes
Ultra SEsmartLLevelPackage	-
Ultra SEsmartLLevelPackage	-
Ultra SEsmartLLevelPackage	-
Optional Package	-
Ultra smartLLevelPackage	-
Ultra smartLLevelPackage	-
Optional Package	● Standard: NGPsmartnavigationassistDriving,SREnvironmentsimulatedDisplay,StopVehicleFieldMemory parking,IHBsmartHigh beamlight; ■ Optional: Optional (RMB 36,000)
XPILOT 3.0SoftwareandLLevelService	NGPsmartnavigationassistDriving,SREnvironmentsimulatedDisplay,StopVehicleFieldMemory parking,IHBsmartHigh beamlight
XPILOT 3.0SoftwareandLLevelService	■ Optional: Optional (RMB 36,000)
Convenience Charging Kit	-
Convenience Charging Kit	-
Convenience Charging Kit	-
Front rowFramelessVehicleDoor	-
Front rowFramelessVehicleDoor	-
Front rowFramelessVehicleDoor	-
Platinum Audiosystem	-
Starlight KnightLLevelpackage	-
Starlight KnightLLevelpackage	-
smartmusicCockpitExtended RangePerformance Kit	● Standard: Tufted Carpet,DynaudioDynaudioTheaterLevelSound Systemsystem,NappaGenuine leatherSeatsandCorresponding Cockpit Theme; ■ Optional: Optional (RMB 18,000)
smartmusicCockpitExtended RangePerformance Kit	Tufted Carpet,DynaudioDynaudioTheaterLevelSound Systemsystem,NappaGenuine leatherSeatsandCorresponding Cockpit Theme
smartmusicCockpitExtended RangePerformance Kit	■ Optional: Optional (RMB 18,000)
Night KnightLLevelpackage	-
Night KnightLLevelpackage	-
Night KnightLLevelpackage	-
SpecialcolorConfiguration	-

Parameter	XPeng P7 2020 586E
ComfortLiterLevelPackage	-
Poweropen/closeFrontPeng WingDoor	-
Transparent Chassis	● Standard
Transparent Chassis	● Standard