

Xiaomi SU7 Specification

Model		SU7 700km	SU7 Pro 830km	SU7 Max 800km
Manufacturer's guide price (CNY)		215900	245900	299900
Basic Parameters	Manufacturer	Xiaomi Auto		
	Level	Medium & large vehicle		
	Energy type	Pure electric		
	Launch time	March, 2024		
	CLTC pure electric range (km)	700	830	800
	Fast charging time of battery (hours)	0.42	0.5	0.32
	Percentage of fast charging (%)	10-80		
	Maximum power (KW)	220		495
	Maximum torque (N·m)	400		838
	Body structure	4-door & 5-seat sedan		
	Electric motor (Ps)	299		673
	Length * Width * Height (mm)	4997*1963*1455		4997*1963*1440
	Official 0-100km/h acceleration (s)	5.28	5.7	2.78
	Maximum speed (km/h)	210		265
	Curb weight (kg)	1980	2090	2205
	Gross vehicle weight (kg)	2430	2540	2655
Car Body	Length (mm)	4997		
	Width (mm)	1963		
	Height (mm)	1455		1440
	Wheelbase (mm)	3000		
	Front wheelbase (mm)	1693		
	Rear wheelbase (mm)	1699		
	Minimum ground clearance under full load (mm)	120		134
	Approach angle (°)	14		13
	Departure angle (°)	16		
	Minimum turning radius (m)	5.7		
	Vehicle structure	Sedan		
	Door opening method	Flat door		
	Number of car doors	4		
	Number of seats	5		
	Front trunk volume (L)	105		
	Rear compartment capacity (L)	517		493
Wind resistance coefficient (Cd)	0.195			
Front motor brand	-		Suzhou Huichuan	
Rear motor brand	United Electronics		Suzhou Huichuan	
Front motor model	-		YS210XY102	
Rear motor model	TZ220XS000		TZ220XY102	

Motor	Motor type	Permanent magnet/synchronous		Front induction/asynchronous rear permanent magnet/synchronous
	Total power of electric motor (KW)	220		495
	Total horsepower of electric motor (Ps)	299		673
	Total torque of electric motor (N·m)	400		838
	Maximum power of front motor (kW)	-		220
	Maximum torque of front motor (N·m)	-		338
	Maximum power of rear motor (KW)	220		275
	Maximum torque of rear motor (N·m)	400		500
	Number of driving motors	Single motor		Dual motor
	Motor layout	Rear mounted		Front+Rear
	Battery type	Lithium iron phosphate battery		Ternary lithium battery
	Battery cell brand	FinDreams	CATL	CATL
	Battery specific technology	Blade battery	Shenxing Battery	Kirin Battery
	Battery cooling method	Liquid cooling		
	CLTC pure electric range (km)	700	830	800
	Battery energy (kWh)	73.6	94.3	101
	Power consumption per 100KM (KWh/100km)	12.3	12.9	13.7
	Fast charging function	Support		
	High voltage fast charging	-		support
	High voltage platform (V)	400		800
	Fast charging time of battery (hours)	0.42	0.5	0.32
	Location of slow charging interface	Left rear side of the car		
	Location of fast charging interface	Left rear side of the car		
External AC discharge power (KW)	3.5			
Transmission	Number of gears	1		
	Transmission type	Fixed gear ratio gearbox		
Chassis & Steering	Drive mode	Rear mounted rear wheel drive	Dual motor four-wheel drive	
	Four wheel drive system	-		Electric four-wheel drive
	Front suspension type	Double wishbone independent suspension		
	Rear suspension type	Five-link independent suspension		
	Assistance type	Electric power assist		
Wheel Braking	Vehicle structure	Load-bearing type		
	Front brake type	Ventilated disc		
	Rear brake type	Ventilated disc		
	Parking brake type	Electronic parking		
	Front tire	●245/45 R19		● 245/45 R19
Rear tire	●245/45 R19		●245/45 R19	
	Driver/passenger seat airbags	Main ●/Deputy ●		
	Front/rear side airbags	Front ●/Back-		
	Front/rear head airbags (air curtains)	Front ●/Back ●		
	Front middle airbag	●		
	Passive pedestrian protection	●		

Security Guarantee	ABS anti lock braking system		•	
	Braking force distribution (EBD/CBC, etc.)		•	
	Brake Assist (EBA/BAS/BA, etc.)		•	
	Traction control (ASR/TCS/TRC, etc.)		•	
	Vehicle stability control (ESC/ESP/DSC, etc.)		•	
	Tire pressure monitoring function		• Tire pressure display	
	Unfastened reminder of seat belt		• Whole vehicle	
	ISOFIX child seat interface		•	
	Lane departure warning system		•	
	Active braking/active safety system		•	
	Fatigue driving tips		•	
	DOW door opening warning		•	
	Forward collision warning		•	
	Rear collision warning		•	
	Sentry mode/Thousand Mile Eye		•	
	Low speed driving warning		•	
Built in driving recorder		•		
Road rescue call		•		
Driving Control	Switching driving modes		• Sports • Standard/Comfortable • Snow • Custom/Personalized	
	Energy recovery system		•	
	Automatic parking		•	
	Uphill assistance		•	
	Variable suspension function	-		• Suspension soft and hard adjustment • Suspension height adjustment
air suspension	-		•	
Driving Hardware	Front/rear parking radar		Front •/Back •	
	Driving assistance imaging		360 degree panoramic image	
	Transparent chassis/540 degree image		•	
	Assisted driving chip	•Nvidia Drive Orin		• 2 Nvidia Drive Orin
	Chip final power	•84 TOPS		•508 TOPS
	Forward perception camera			• 2
	Number of cameras outside the car			• 11
	Front perception camera pixels			• 8 million
	Environment aware camera pixels			3 million
	Surround camera pixels			3 million
	Number of cameras inside the car			• 1 piece
	Number of ultrasonic radars			• 12 pieces
Number of millimeter wave radars	• 1 piece		• Three	

	Lidar brand	-	HESAI Hesai Technology	
	Lidar model	-	●AT128	
	Quantity of Lidar	-	● 1 piece	
	Number of laser radar lines	-	● 128 line	
	Lidar 10% reflectivity detection range	-	● 200 meters	
	Number of Lidar point clouds	-	1.53 million per second	
Driving Function	Cruise control system		● Full speed adaptive cruise control	
	Assisted driving system	●Xiaomi Pilot Pro	●Xiaomi Pilot Max	
	Assisted driving level		●L2	
	Reverse side warning system		●	
	Satellite navigation system		●	
	Navigation traffic information display		●	
	Map brand		Gaode	
	Parallel assistance		●	
	Lane keeping assist system		●	
	Keep the lane centered		●	
	Road traffic sign recognition		●	
	Automatic parking in place		●	
	Piloted parking		●	
	Automatic lane change assistance		●	
	Hand-off detection of steering wheel		●	
Start reminder		●		
Appearance/Anti-theft	Electric spoiler	-	○	●
	Wheel rim material		Aluminum alloy	
	Electric suction door	-		● Whole vehicle
	Frameless design door		●	
	Electric trunk		●	
	Electric trunk position memory		●	
	Interior central locking system		●	
	Key type		● Bluetooth key ● NFC/RFID key ● Smart wristband key	
	Keyless start system		●	
	Keyless entry function		● Whole vehicle	
	Active closed intake grille		●	
	Remote start function		●	
	Battery preheating		●	
	External discharge		●	
	Low beam light source		●LED	
	High beam light source		●LED	
	Lighting features and functions		● Matrix format	
	LED daytime running lights		●	

Exterior Lights	Adaptive high and low beams	•
	Automatic headlights	•
	Turn signal assist light	•
	Adjustable headlight height	•
	Delay closing of headlights	•
Sunroof/Glass	Sunroof type	Panoramic sunroof (cannot be opened)
	Front/rear power windows	Front •/Back •
	One-click window lifting function	• Whole vehicle
	Window anti-pinch function	•
	Rear side privacy glass	•
	Interior makeup mirror	• Driver+Lighting • Co pilot+Lighting
Induction wiper function	• Rainfall sensing type	
External Rearview Mirror	Exterior rearview mirror function	• Electric adjustment • Electric folding • Rearview mirror memory • Rearview mirror heating • Automatic folding down when reversing • Automatic folding when locking the car
Screen/System	Center console screen	• Touchscreen LCD screen
	Center console screen size	• 16.1 inches
	Center console screen resolution	•3K
	Pixel density of center console screen	•225PPI
	Bluetooth/Car Phone	•
	Mobile interconnection/mapping	• Supports CarPlay • Factory interconnection/mapping • Supports Carlink
	Speech recognition control system	• Multimedia system • Navigation • Telephone • Air conditioning • Seat heating • Seat ventilation
	Voice assistant wake-up words	• Xiao Ai classmate
	Voice wake-up free words	•
	Voice segmentation wake-up recognition	• Five regions
	Continuous speech recognition	•
	Visible can be said	•
	Voiceprint recognition	•
	App Store	•
Vehicle mounted intelligent system	• Pengpai OS	

	Car intelligent chip	Qualcomm Snapdragon 8295	
Intelligent Configuration	Internet of Vehicles	●	
	4G/5G network	●5G	
	OTA upgrade	●	
	Wi Fi hotspot	●	
	Remote function of mobile APP	<ul style="list-style-type: none"> ● Door control ● Window control ● Vehicle start ● Charging management ● Air conditioning control ● Steering wheel heating <ul style="list-style-type: none"> ● Seat heating ● Seat ventilation ● Vehicle condition inquiry/diagnosis <ul style="list-style-type: none"> ● Vehicle positioning/finding ● Owner service (finding charging stations, gas stations, parking lots, etc.) 	
	Simulate sound waves	○	●
	Car KTV	●	
Steering Wheel/Interior Rearview Mirror	Steering wheel material	● Leather	
	Steering wheel position adjustment	● Manual adjustment	● Electrical adjustment
	Shift mode	● Electronic gear shift	
	Multi functional steering wheel	●	
	Steering wheel heating	●	
	Driving computer display screen	● Colorful	
	Full LCD instrument panel	●	
	LCD instrument size	7.1 inches	
	HUD Display	-	●
	HUD Size	-	●56 inch
	Interior rearview mirror function	● Automatic anti-glare	
In-Car Charging	Multimedia/charging interface	<ul style="list-style-type: none"> ●USB ●Type-C 	
	Number of USB/Type-C interfaces	● 4 in the front row/2 in the back row	
	USB/Type-C maximum charging power	●67W	
	Wireless charging function for mobile phones	● Front row	
	Wireless charging power for mobile phones	●50W	
	Luggage compartment 12V power interface	●	
	Seat material	● Imitation leather	
	Sports style seats	●	

Seats	Main seat adjustment method	<ul style="list-style-type: none"> ● Front and rear adjustment ● Backrest adjustment ● Height adjustment (4-way) ● Lumbar support (4-way) 	<ul style="list-style-type: none"> ● Forward and backward adjustment ● Backrest adjustment ● Height adjustment (4-way) ● Lumbar support (4-way) ● Lateral support (active)
	Auxiliary seat adjustment method	<ul style="list-style-type: none"> ● Back and forth adjustment ● Backrest adjustment ● High and low adjustment (4-way) 	
	Electric adjustment for driver/passenger seats	Main ●/Deputy ●	
	Front seat function	<ul style="list-style-type: none"> ● Heating ● Ventilation ○ Headrest Speaker 	<ul style="list-style-type: none"> ● Heating ● Ventilation ● Headrest Speaker
	Electric seat memory function	<ul style="list-style-type: none"> ● Driver's seat ● Co driver's seat 	
	Second row seat function	● Heating	
	Rear seat folding form	● Proportionally fold down	
	Front/rear center armrest	Front ●/Back ●	
	Rear cup holder	●	
Sound System/Interior Lighting	Number of speakers	10 speakers	25 speakers
	Dolby Atmos	○	●
	Interior ambient lighting	256 colors	
Air Conditioning/ Refrigerator	Air conditioning temperature control method	● Automatic air conditioning	
	Heat pump air conditioning	●	
	Rear seat air outlet	●	
	Temperature zoning control	●	
	Car Purifier	●	
	In-car PM2.5 filtration device	●	
	Negative ion generator	●	
Air quality monitoring	●		
Vehicle Color	Appearance color	<p>Gulf Blue Olive Green Elegant Grey</p> <ul style="list-style-type: none"> ○ Glow Purple 6200 CNY /850 USD ○ Lava Orange 6200 CNY /850 USD ○ Cambrian Grey 6200 CNY /850 USD ○ Meteor Blue 6200 CNY /850 USD ○ Pearl White 6200 CNY /850 USD ○ Diamond Black 6200 CNY /850 USD 	

	Interior color	Obsidian Black Galaxy Grey Twilight Red Mist Purple
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Remark:

1. The meanings of each symbol in the table are as follows: ● - equipped, ○ - optional, - - not equipped;
2. The cost of optional devices or function is not included in the quotation.