

2024 IONIQ 6 Specifications

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MECHANICAL				
Electric Motor		RWD (Standard Range)	RWD	AWD
Permanent-Magnet Synchronous Motor (PMSM)		S		
Maximum Power kW (hp)		111 kW (149 hp)	168 kW (225 hp)	74 kW + 165 kW (320 hp)
Maximum Torque Nm (lb.-ft.)		350 Nm (258 lb.-ft.)	350 Nm (258 lb.-ft.)	605 Nm (446 lb.-ft.)
All Electric Range		SE Standard Range 18": estimate 240 miles	SE LR 18": 361-mile estimate SEL/Limited 20": 305-mile estimate	SE 18": 316-mile estimate SEL, Limited 20": 270-mile estimate
Battery		RWD Standard Range	RWD and AWD	
Battery Type		Lithium-ion		
Voltage		480V	697V	
Battery System Capacity		53.0 kWh	77.4 kWh	
Max Vehicle Operation Speed, Electronically Governed		115 MPH		
Charge Time	AC Level II, Standard 240V (Up to 80% charge)	5 hr. 20 min	6 hr. 55 min	
	Charging: 50kW (Up to 80% charge)	58 min	73 min	
	Rapid Charging: 350kW (Up to 80% charge)	18 min	18 min	
Charge Port		Rear Quarter / Passenger Side		
Battery Heating System	Battery preconditioning function	S		

* EPA 5-Cycle Test Procedure
*Estimated AER

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Battery (cont.)	RWD (Standard Range)	RWD / AWD
Power Output	173 kW	277 kW
Energy Density (Wh/lb.)	69.1 (standard charge)	73.2 (standard charge)
Weight (lbs.)	766.1 (not including cooling / hosepipe)	1056.5 (Long Range Standard Charge) (not including cooling / hosepipe)
On-Board Charger (OBC)	All Models	
Ultra-Fast Charger (up to 800V / 350 kW)	S	
Max Capacity (kW)	10.9	
Output Density (kVA/liter)	1.28	

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MECHANICAL (cont'd)		
Electrical System		All Models
Non-traction electrical system		12-volt
Transmission and Drive System		All Models
Drive Configuration		RWD / AWD
Transmission Type	Single-speed Reduction Gear	S
	Shift-by-wire	
Gear Ratio / Final Gear Ratio		2.263 / 4.471
Clutch Type		Front: Dog clutch (disconnecter) / Rear: none
Lubricant Oil Capacity		Front: 3.2 liters / Rear: 3.4 liters
Drive Mode Select (Eco → Normal → Sport → Snow → My Mode)	Steering-wheel button	S
Steering		All Models
Rack and pinion type steering gear		S
Motor Driven Power Steering (R-MDPS) - Power assisted, rack-mounted		S
Overall Ratio		14.27
Turns (lock to lock)		2.66
Turning Diameter (curb to curb, ft.)		38.8

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MECHANICAL (cont'd)		
Brakes		All Models
Front	Type	Ventilated Disc
	Size (diameter x thickness, mm)	12.8" x 1.2" (Φ325x30t)
Rear	Type	Solid Disc
	Size (diameter x thickness, mm)	12.8" x 0.5" (Φ325x12t)
ABS with Electronic Brake-force Distribution (EBD)	Number of Wheels	4
	Number of Channels	4
	Number of Sensors	4
Hillstart Assist Control (HAC)		S
Brake Booster	Active Hydraulic Booster (Regenerative Brake)	S
Brake Assist		S
Electric Parking Brake	w/ Automatic Vehicle Hold	S
Regenerative brake control paddles		S

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MECHANICAL (cont'd)		
Suspension		All Models
Front	Type	MacPherson strut
	Gas Damper	S
Rear	Type	Multi-link
	Gas Damper	S
Body/Chassis		All Models
Type		Unibody (Monocoque body)
Materials	Primary	Advanced High-Strength Steel; High Tensile Steel

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SAFETY/SECURITY		
Restraint Systems		ALL
Airbags (Front - Advanced)	Driver (1)	S
	Front passenger (1)	S
	Occupant Classification System (OCS) Seat weight sensor and seat track sensor	S
	Driver and front passenger side-impact FR (Thorax) (2)	S
	Side air curtains (front and rear passengers) with rollover sensors (2)	S
Outboard seatbelts	3-point	S
Inboard seatbelt (rear)	3-point	S
Adjustable front-seat shoulder belt anchors		S
Front and Rear seatbelt pretensioners and load limiters		S
Rear LATCH Lower Anchors and Upper Tether Anchors		S
Power window lock-out button		S
Rear child safety locks		S
Active Safety		
Regenerative Braking System with Anti-lock Braking System (ABS) with 4-wheel disc brakes		S
Electronic Stability Control (ESC) with Traction Control (TCS) and Brake Assist		S
Vehicle Stability Management		S
Tire Pressure Monitoring System (TPMS) with Individual Tire Indicator and Tire Fill Complete Alert		S

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SAFETY/SECURITY (cont'd)				
Active Safety (cont'd)		SE	SEL	Limited
Blind-Spot Collision Warning		S	S	S
Blind-Spot Collision Avoidance Assist		-	S	S
Surround View Monitor		-	-	S
Blind-Spot View Monitor (BVM)		-	-	S
Rear Cross-Traffic Collision Avoidance Assist		S	S	S
Parking Distance Warning	Reverse	S	S	S
	Forward	S	S	S
Parking Collision Avoidance Assist – Reverse/Forward/Side (PCA-R/F/S)		-	-	S
Forward Collision-Avoidance Assist with Car/Ped/Cyclist Detection		S	-	-
Forward Collision-Avoidance Assist with Car/Ped/Cyclist Detection and Junction Turning		-	S	S
Lane Keeping Assist / Lane Following Assist		S	S	S
Intelligent Speed Limit Assist		S	S	S
Driver Attention Warning		S	S	S
Safe Exit Warning		S	S	S
Highway Driving Assist I (HDA I)		S	-	-
Highway Driving Assist II (HDA II)		-	S	S
High Beam Assist		S	S	S
Rear Occupant Alert (door logic type)		S	S	S

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SAFETY/SECURITY (cont'd)			
Passive Safety	SE	SEL	Limited
Front crumple zone	S	S	S
2.5-MPH Bumpers	S	S	S
Bodyside reinforcements	S	S	S
Electronic Shift Lock System & Ignition Key Interlock – Electronic type	S	S	S
Anti-theft System integrated with remote keyless entry and panic alarm	S	S	S
Immobilizer	S	S	S

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DIMENSIONS/WEIGHTS/CAPACITIES			
Exterior (inches)	All		
Wheelbase	116.1		
Overall Length	191.1		
Overall Width	74.0		
Overall Height	58.9		
Tread Width (Front) - 18" / 20"	64.4 / 64.2		
Tread Width (Rear) - 18" / 20"	64.7 / 64.5		
Overhang (front/rear)	33.5 / 41.5		
Minimum Ground Clearance	5.6		
Coefficient of Drag (Cd) (<i>lowest</i>)	0.22		
Interior (inches)	All		
Head Room without sunroof (front / rear)	40.2 / 36.9		
Head Room with sunroof (front / rear)	38.3 / 36.9		
Leg Room – Practical (front / rear)	42.3 / 39.2		
Leg Room – Maximum (front / rear)	45.4 / 34.7		
Shoulder Room (front/rear)	58.0 / 57.3		
Hip Room (front/rear)	55.2 / 51.1		
Weights	RWD (Standard Range)	RWD	AWD
Curb Weight Lightest – Heaviest (lbs.)	3,935	4,222 - 4,376	4,462 - 4,616
GVWR RWD/AWD (lbs.)	4,894	5,313	5,556

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DIMENSIONS/WEIGHTS/CAPACITIES (cont'd)					
SAE Volume (cubic feet)	All				
Total Interior Volume	114.2				
Passenger Interior Volume	103.0				
Luggage Capacity (cu.-ft.)	11.2				
Front Under Hood Storage Area; "Frunk" (cu.-ft.)	0.5				
Fuel Economy / EPA Ratings	RWD (Standard Range)	RWD 18" Tire (SE)	RWD 20" Tire (SEL + Limited)	AWD 18" Tire (SE)	AWD 20" Tire (SEL & Limited)
MPGe (City / Highway / Combined)	151/120/135	SE RWD 153/127/140	SEL & Limited RWD 129/105/117	SE AWD 130/111/121	SEL & Limited AWD 111/94/103
Driving Range (miles combined)	240	361	305	316	270
CO2 (grams/mile)	0	0			
Annual Fuel Cost (USD)	500	500	600	600	700
Fuel Economy & Greenhouse Gas Rating	10	10			
Smog Rating	10 (ZEV)	10 (ZEV)			
Model Index	59	60	61	62	63