

IONIQ Hybrid.

Specifications.



Engine	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Configuration	Transverse front mounted driving front wheels	Transverse front mounted driving front wheels	-
Cylinder capacity	1.6 litres (1,580 cc)	1.6 litres (1,580 cc)	-
Number of cylinders	4 in-line	4 in-line	-
Valve system	16 Valve, Double Overhead Cam (DOHC), Dual Continuously Variable Valve Timing (D-CVVT), Atkinson cycle	16 Valve, Double Overhead Cam (DOHC), Dual Continuously Variable Valve Timing (D-CVVT), Atkinson cycle	-
Intake system	Tuned intake system	Tuned intake system	-
Maximum power	77 kW @ 5,700 RPM	77 kW @ 5,700 RPM	-
Maximum torque	147 Nm @ 4,000 RPM	147 Nm @ 4,000 RPM	-
Fuel system	GDI (Gasoline Direct Injection)	GDI (Gasoline Direct Injection)	-
Fuel type	91 RON (ULP), E10 compatible	91 RON (ULP), E10 compatible	-
Emissions standard	Euro 5	Euro 5	-
Bore x stroke	72.0 mm x 97.0 mm	72.0 mm x 97.0 mm	-
Compression ratio	13.0:1	13.0:1	-
Electric motor	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Motor type	Permanent magnet synchronous motor	Permanent magnet synchronous motor	Permanent magnet synchronous motor
Configuration	Front mounted driving front wheels	Front mounted driving front wheels	Front mounted driving front wheels
Maximum power	32 kW	44.5 kW	100 kW
Maximum torque	170 Nm	170 Nm	295 Nm
Combined system output	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Maximum power	104 kW	104 kW	-
Maximum torque	265 Nm	265 Nm	-
Battery	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Battery type	Lithium-ion Polymer	Lithium-ion Polymer	Lithium-ion Polymer
Capacity	1.56 kWh	8.9 kWh	38.3 kWh
Voltage	240 V	360 V	319.4 V
On-board AC charger	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Charging capacity	-	3.3 kW	7.2 kW
Standard charging time (240 V)	-	Approximately 2 hours 15 minutes	Approximately 6 hours 5 minutes
Charging port	-	Type 2 (IEC 62196-2 Type 2)	Type 2 (IEC 62196-2 Type 2)
On-board DC fast charger	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Charging capacity	-	-	100 kW
50 kW fast charging time (up to 80%)	-	-	Approximately 57 minutes
100 kW fast charging time (up to 80%)	-	-	Approximately 54 minutes
Charging port	-	-	CCS Combo2 (IEC 62196-3 Configuration FF)
Emergency charging cable	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Type	-	In-cable control box (ICCB) with domestic 3-pin plug input	In-cable control box (ICCB) with domestic 3-pin plug input
Output capacity	-	230 V, 10 A	230 V, 10 A
Charging plug	-	Type 2 (IEC 62196-2 Type 2)	Type 2 (IEC 62196-2 Type 2)
Transmission	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Dual Clutch Transmission (DCT)	6 speed DCT (dry clutch) with sequential manual mode	6 speed DCT (dry clutch) with sequential manual mode	-
Reduction gear	-	-	Single speed reduction gear
Gear ratio	DCT	DCT	Reduction gear
1st	3.867	3.867	-
2nd	2.217	2.217	-
3rd	1.371	1.371	-
4th	0.930	0.930	-
5th	0.956	0.956	-
6th	0.767	0.767	-
Reverse	5.351	5.351	-
Final	4.188 (1st, 2nd, 3rd, 4th) 3.045 (5th, 6th, Reverse)	4.188 (1st, 2nd, 3rd, 4th) 3.045 (5th, 6th, Reverse)	-
Reduction gear	-	-	7.412
Engine/transmission availability	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Elite	DCT	DCT	Reduction gear
Premium	•	•	•
Steering	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Type	Column mounted Motor Driven Power Steering (C-MDPS), rack & pinion	Column mounted Motor Driven Power Steering (C-MDPS), rack & pinion	Column mounted Motor Driven Power Steering (C-MDPS), rack & pinion
Minimum turning circle diameter between kerbs / walls	10.6 m	10.6 m	10.6 m
Number of steering wheel turns lock to lock	2.66	2.66	2.85
Suspension	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Front	MacPherson strut	MacPherson strut	MacPherson strut
Rear	Multi-link	Multi-link	Torsion beam axle
Brakes	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
System	Dual-diagonal, split circuit, power assisted with Electronic Brakeforce Distribution (EBD), Brake Assist System (BAS), and active hydraulic booster (regenerative braking)	Dual-diagonal, split circuit, power assisted with Electronic Brakeforce Distribution (EBD), Brake Assist System (BAS), and active hydraulic booster (regenerative braking)	Dual-diagonal, split circuit, power assisted with Electronic Brakeforce Distribution (EBD), Brake Assist System (BAS), and active hydraulic booster (regenerative braking)
Front brake type	Ventilated disc	Ventilated disc	Ventilated disc
Front disc dimensions	280 mm x 22 mm	280 mm x 22 mm	280 mm x 22 mm
Rear brake type	Solid disc	Solid disc	Solid disc
Rear disc dimensions	Standard handbrake: 262 mm x 10 mm Electronic Parking Brake (EPB): 284 mm x 10 mm	284 mm x 10 mm	284 mm x 10 mm
Weight	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
Kerb weight - lightest	DCT	DCT	Reduction gear
Kerb weight - heaviest	1375 kg	1455 kg	1527 kg
Gross Vehicle Mass (GVW)	1463 kg	1551 kg	1575 kg
	1890 kg	1970 kg	1970 kg
Fuel consumption ^a	1.6 Atkinson GDi Hybrid	1.6 Atkinson GDi Plug-in Hybrid	Electric Motor
	DCT (15" wheels)	DCT (17" wheels)	DCT
Combined (L/100km)	3.4	3.9	1.1
Urban (L/100km)	3.4	3.9	-
Extra Urban (L/100km)	3.5	3.9	-
CO ₂ - combined (g/km)	79	92	26
Fuel tank volume	45L	-	43L
Electric driving efficiency - combined (Wh/km)	-	94" (ADR 81/02 & NEDC standard)	117" (ADR 81/02 & NEDC standard)
Electric range	-	63 km ^b (ADR 81/02 & NEDC standard)	373 km ^c (ADR 81/02 & NEDC standard) 311 km ^c (WLTP standard)

a. Based on Australian Design Rule 81/02 static laboratory combined average city and highway cycle test. Real world fuel consumption will vary depending on a combination of driving habits, the condition of the vehicle, and other factors such as road, traffic and weather conditions. ADR 81/02 test results are meant for comparison purposes only.

b. Range based on Australian Design Rule 81/02 static laboratory combined average city and highway cycle test (same as NEDC defined by UNECE R80/01), and may not reflect real life driving results. Real life driving results will vary depending on a combination of driving style, type of journey, vehicle configuration, battery age and condition, use of vehicle features (such as heating and air conditioning), as well as operating, environmental and climate conditions. ADR 81/02 test results are meant for comparison purposes only.

c. Figure based on WLTP (Worldwide Harmonised Light Duty Vehicles Test Procedure) static laboratory combined average city and highway cycle test, which measure, energy consumption, range and emissions in passenger vehicles, designed to provide figures closer to real-world driving behaviour. Real life driving results will vary depending on a combination of driving style, type of journey, vehicle configuration, battery age and condition, use of vehicle features (such as heating and air conditioning), as well as operating, environmental and climate conditions.

Dimensions	Hybrid Elite	Hybrid Premium	Plug-in Hybrid Elite	Plug-in Hybrid Premium	Electric Elite	Electric Premium
Exterior						
Length				4470 mm		
Width				1820 mm		
Height						1475 mm
Wheelbase		1450 mm		2700 mm		
Wheel track - front / rear	1563 mm / 1577 mm	1549 mm / 1563 mm		1555 mm / 1569 mm		1552 mm / 1564 mm
Minimum ground clearance (based on kerb weight)		142 mm				150 mm
Interior						
Head room front / rear	995 mm / 951 mm	970 mm / 951 mm	995 mm / 951 mm	970 mm / 951 mm	995 mm / 951 mm	970 mm / 951 mm
Lap room front / rear		1073 mm / 907 mm			1073 mm / 906 mm	
Shoulder room front / rear			1425 mm / 1396 mm			
Hip room front / rear			1366 mm / 1344 mm			
Cargo area - VDA (minimum to top of rear seats / minimum to roof / maximum)	456 L / 563 L / 1518 L		341 L / 446 L / 1401 L		357 L / 462 L / 1417 L	
Wheels & tyres	Hybrid Elite	Hybrid Premium	Plug-in Hybrid Elite	Plug-in Hybrid Premium	Electric Elite	Electric Premium
Wheel type	Alloy with aerodynamic wheel covers	Alloy	Alloy		Alloy	
Wheel dimensions	15 x 6.0J +46	17 x 7.0J +53	16 x 6.5J +50		16 x 6.5J +50	
Tyre dimensions	195/65R15 91H	225/45R17 91W	205/55R16 91H		205/60R16 92H	
Spare wheel type	Full size alloy	Full size alloy	Tyre mobility kit		Tyre mobility kit	
Driving convenience	Hybrid Elite	Hybrid Premium	Plug-in Hybrid Elite	Plug-in Hybrid Premium	Electric Elite	Electric Premium
Cruise control	•	•	•	•	•	•
Electronic Parking Brake (EPB) (with auto hold function)	-	•	-	•	-	•
Integrated Memory System (IMS) - driver's seat	-	•	-	•	-	•
One touch turn signal - 3, 5, or 7 flashes	•	•	•	•	•	•
Rain sensing wipers	-	•	-	•	•	•
Smart key with push button start	•	•	•	•	•	•
Steering wheel mounted controls - audio, phone, cruise control, & trip computer	•	•	•	•	•	•
TB & telescopic steering column	•	•	•	•	•	•
Driving engagement	Hybrid Elite	Hybrid Premium	Plug-in Hybrid Elite	Plug-in Hybrid Premium	Electric Elite	Electric Premium
Drive Mode - 4 settings (Normal, Eco, Eco+, Sport)	-	-	-	-	•	•
Sport mode - activated via sequential manual mode	•	•	•	•	-	-
Paddle shifters - transmission control or regenerative braking control	•	•	•	•	• (Regenerative braking only)	• (Regenerative braking only)
Active safety	Hybrid Elite	Hybrid Premium	Plug-in Hybrid Elite	Plug-in Hybrid Premium	Electric Elite	Electric Premium
Electronic Stability Control (ESC) including:						
Anti-lock Braking System (ABS)	•	•	•	•	•	•
Brake Assist System (BAS)	•	•	•	•	•	•
Electronic Brakeforce Distribution (EBD)	•	•	•	•	•	•
Hill-start Assist Control (HAC)	•	•	•	•	•	•
Traction Control System (TCS)	•	•	•	•	•	•
Vehicle Stability Management (VSM)	•	•	•	•	•	•
Hyundai SmartSense™ including:						
Blind-Spot Collision Warning (BCW)	•	•	•	•	•	•
Driver Attention Warning (DAW)	•	•	•	•	•	•
Forward Collision-Avoidance Assist (FCA) - City/Urban/Interurban/Pedestrian	•	•	•	•	•	•
High Beam Assist (HBA)	•	•	•	•	•	•
Lane Following Assist (LFA)	-	•	•	•	•	•
Lane Keeping Assist - Line (LKA-L)	•	•	•	•	•	•
Rear Cross-Traffic Collision Warning (RCCW)	•	•	•	•	•	•
Smart Cruise Control with Stop & Go (SCC w/ S&G)	-	•	•	•	•	•
Other features						
Emergency Stop Signal (ESS)	•	•	•	•	•	•
Manual Speed Limit Assist (MSLA)	-	•	-	•	-	•
Parking Distance Warning - Front (PDW-F) - 4 sensors, with guidance display	-	•	-	•	-	•
Parking Distance Warning - Reverse (PDW-R) - 4 sensors, with guidance display	•	•	•	•	•	•
Rear View Monitor with Parking Guidance (RVM w/ PG)	•	•	•	•	•	•
Tyre Pressure Monitoring System (TPMS) - individual tyre pressure readout	•	•	•	•	•	•
Passive safety	Hybrid Elite	Hybrid Premium	Plug-in Hybrid Elite	Plug-in Hybrid Premium	Electric Elite	Electric Premium
Airbags						
Front airbags - driver & front passenger	•	•	•	•	•	•
Knee airbag - driver	•	•	•	•	•	•
Side (thorax) airbags - driver & front passenger	•	•	•	•	•	•
Side curtain airbags - 1st & 2nd rows	•	•	•	•	•	•
Doors						
Impact sensing auto door unlock	•	•	•	•	•	•
Rear door child safety locks	•	•	•	•	•	•
Seatbelts						
Pretensioners, load limiters & height adjustable upper mounts on front seat belts	•	•	•	•	•	•
Seat belt reminder - front & rear seatbelts	•	•	•	•	•	•
Seating						
Height adjustable front head restraints	•	•	•	•	•	•
Height adjustable rear head restraints	•	•	•	•	•	•
ISOFIX child restraint anchors (rear outboard seats)	•	•	•	•	•	•
Top tether child restraint anchors (rear) - 3 anchors	•	•	•	•	•	•
Security	Hybrid Elite	Hybrid Premium	Plug-in Hybrid Elite	Plug-in Hybrid Premium	Electric Elite	Electric Premium
Security system						
Active lock/unlock operation (user configurable)	•	•	•	•	•	•
Anti-theft alarm	•	•	•	•	•	•
Central locking	•	•	•	•	•	•
Engine immobiliser	•	•	•	•	•	•
Remotes						
Smart key remote - 2x	•	•	•	•	•	•
Multimedia system	Hybrid Elite	Hybrid Premium	Plug-in Hybrid Elite	Plug-in Hybrid Premium	Electric Elite	Electric Premium
Functions						
Apple CarPlay & Android Auto* compatibility	•	•	•	•	•	•
Bluetooth phone connectivity	•	•	•	•	•	•
Satellite navigation	•	•	•	•	•	•
SUNAM™ Live Traffic Updates	•	•	•	•	•	•
Touch screen - 10.25" display	•	•	•	•	•	•
Speakers						
Infinity™ premium audio system - 8 speakers with external amplifier	•	•	•	•	•	•
Audio/media sources						
AM / FM radio	•	•	•	•	•	•
Digital radio (DAB+)	•	•	•	•	•	•
Radio Data System (RDS)	•	•	•	•	•	•
USB audio input with iPod® compatibility	•	•	•	•	•	•
Bluetooth audio streaming	•	•	•	•	•	•
Occupant comfort & convenience	Hybrid Elite	Hybrid Premium	Plug-in Hybrid Elite	Plug-in Hybrid Premium	Electric Elite	Electric Premium
Upholstery/trim						
Leather* appointed steering wheel	•	•	•	•	•	•
Leather* appointed gear knob	•	•	•	•	-	-
Leather* appointed seats	-	•	-	•	-	•
Front seats						
Driver's seat - height adjustable	•	•	•	•	•	•
Driver's seat - manually adjustable	-	•	-	•	-	•
Driver's seat - manually adjustable (including 2-way lumbar support)	-	•	-	•	-	•
Driver's seat - power adjustable - 10-way (including 2-way lumbar support)	-	•	-	•	-	•
Passenger's seat - height adjustable	-	•	-	•	-	•
Front centre console armrest storage box - USB power outlet	-	•	-	•	-	•
Front centre console storage cubby - power outlets - 2 x 12V outlets	-	•	-	•	-	•
Front centre console - wireless charging pad (Qi standard)*	-	•	-	•	-	•
Grip handles - 1x (passenger)	•	•	•	•	•	•
Rear seats						
Centre fold down armrest	•	•	•	•	•	•
Grip handles - 2x	•	•	•	•	•	•
Windows/shades						
Glass sunroof - tilt and slide panel	-	•	-	•	-	•
Power windows - front & rear	•	•	•	•	•	•
One touch window up & down function with anti-pinch safety feature - driver's window	•	-	-	-	•	-
One touch window up & down function with anti-pinch safety feature - all front windows	•	•	•	•	•	•
Solar control windsheld glass	•	•	•	•	•	•

