

IONIQ 6 - Specifications (March 2023)

	DYNAMIQ	TECHNIQ	EPIQ
Electric motor(s)			
Motor type - rear	Permanent magnet synchronous motor	Permanent magnet synchronous motor	Permanent magnet synchronous motor
Motor type - front	-	Permanent magnet synchronous motor	Permanent magnet synchronous motor
Configuration	Rear mounted driving rear wheels	Rear + front mounted driving rear + front wheels	Rear + front mounted driving rear + front wheels
Maximum power - rear motor / front motor	168 kW / -	165 kW / 74 kW	165 kW / 74 kW
Maximum torque - rear motor / front motor	350 Nm / -	350 Nm / 255 Nm	350 Nm / 255 Nm
Maximum power - total	168 kW	239 kW	239 kW
Maximum torque - total	350 Nm	605 Nm	605 Nm
Battery	DYNAMIQ	TECHNIQ	EPIQ
Battery type		Liquid cooled Lithium-ion	
Capacity		77.4 kWh	
Output		277 kW	
Voltage		697 V	
Cooling system	DYNAMIQ	TECHNIQ	EPIQ
Active Air Flap (AAF) - Front lower air intake shutters		•	
On-board AC charger	DYNAMIQ	TECHNIQ	EPIQ
Charging capacity (maximum)		10.5 kW	
Standard charging time (10 to 100%)		Approx 11hr 45min at 7kW	
Charging port		Type 2 (IEC 62196-2 Type 2)	
On-board DC fast charger	DYNAMIQ	TECHNIQ	EPIQ
Charging capacity		350 kW	
Charger compatibility		400 / 800 V	
50 kW fast charging time (10 to 80%)		Approx. 73min	
350 kW ultra-fast charging time (10 to 80%)		Approx. 18min	
Charging port		CCS Combo2 (IEC 62196-3 Configuration FF)	
Portable emergency charging cable	DYNAMIQ	TECHNIQ	EPIQ
Type		In-cable control box (ICCB) with domestic 3-pin plug input	
Output capacity (maximum)		230 V, 10 A	
Charging plug		Type 2 (IEC 62196-2 Type 2)	
Standard charging time (230 V at maximum charging capacity - up to 100%)		Approx. 34hr 20min	
Vehicle To Load (V2L)	DYNAMIQ	TECHNIQ	EPIQ
Output capacity (maximum)		250 V, 3.6 kW, 15 A	
Connector - outside		CCS Combo2 (IEC 62196-3 Configuration FF) to domestic 3-pin socket output	
Connector - inside		Domestic 3-pin plug output	
Transmission	DYNAMIQ	TECHNIQ	EPIQ
Reduction gear - Rear	Single speed reduction gear	Single speed reduction gear	Single speed reduction gear
Reduction gear - Front	-	Single speed reduction gear	Single speed reduction gear
Gear ratio	Reduction gear (rear)	Reduction gear (rear) + Reduction gear (front)	Reduction gear (rear) + Reduction gear (front)
Reduction gear - Rear	2.263	2.263	2.263
Reduction gear - Front	-	2.263	2.263
Final gear	4.471	4.471	4.471
Driving	DYNAMIQ	TECHNIQ	EPIQ
Two Wheel Drive (2WD) - rear wheel drive	•	•	•
All Wheel Drive (AWD)	•	•	•
AWD Type	-	HTRAC Dual Motor with Disconnecter Actuator System (DAS)	
Steering	DYNAMIQ	TECHNIQ	EPIQ
Type		Rack mounted Motor Driven Power Steering (R-MDPS), rack & pinion	
Minimum turning circle diameter between kerbs / walls		11.82 m	
Number of steering wheel turns lock to lock		2.66	
Suspension	DYNAMIQ	TECHNIQ	EPIQ
Front		MacPherson strut	
Rear		Multi-link	
Damping control system		High performance dampers	
Brakes	DYNAMIQ	TECHNIQ	EPIQ
System		Dual diagonal-split circuit, power assisted with Electronic Brake-force Distribution (EBD), Electronic Stability Control (ESC) and active hydraulic booster (regenerative braking)	
Booster		Integrated Electric Booster (IEB)	
Front brake type		Ventilated disc	
Front disc dimensions		325 mm x 30 mm	
Rear brake type		Solid disc	
Rear disc dimensions		325 mm x 12 mm	
Weight	DYNAMIQ	TECHNIQ	EPIQ
Tare Mass	1,968 kg		2,078 kg
Gross Vehicle Mass (GVM)	2,410 kg		2,520 kg
Permissible Axle Weight (PAW) - front	1,280 kg		1,280 kg
Permissible Axle Weight (PAW) - rear	1,380 kg		1,370 kg
Roof rack load limit	80 kg		80 kg
Front under bonnet cargo area load limit	25 kg		10 kg
Towing Capacity	DYNAMIQ	TECHNIQ	EPIQ
Braked		1,500 kg	
Un-braked		750 kg	
Maximum tow ball weight		100 kg	
Trailer pre-wiring package		•	
Energy consumption*	DYNAMIQ	TECHNIQ	EPIQ
Electric driving efficiency; Combined: Wh/km	143		169
kWh/100km	14.3		16.9
All Electric Range (AER)	614 km		519 km
* 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.			
Performance	DYNAMIQ	TECHNIQ	EPIQ
Maximum speed (km/h)	185		185
0 – 100 km/h (seconds)	7.4		5.1
80 – 120 km/h (seconds)	4.6		3.3
Dimensions	DYNAMIQ	TECHNIQ	EPIQ
Exterior			
Length	4,855 mm		4,855 mm
Width	1,880 mm		1,880 mm
Height	1,495 mm		1,495 mm
Wheelbase	2,950 mm		2,950 mm
Wheel track - front / rear	1,635 / 1,644 mm		1,630 / 1,639 mm
Minimum ground clearance	141 mm		141 mm
Interior			
Head room front / rear	1,022 / 937 mm		974 / 937 mm
Leg room front / rear	1,154 / 996 mm		1,154 / 996 mm
Shoulder room front / rear	1,472 / 1,456 mm		1,472 / 1,456 mm
Hip room front / rear	1,402 / 1,298 mm		1,402 / 1,298 mm
Cargo area rear - VDA	401 L		401 L
Cargo area front - VDA	45 L		14.5 L
Wheels & tyres	DYNAMIQ	TECHNIQ	EPIQ
Wheel type	Alloy - aerodynamic design	Alloy - aerodynamic design	Alloy - aerodynamic design
Wheel dimensions	18 x 7.5J + 51 eco tyre	20 x 8.5J + 53.5 Pirelli P Zero	20 x 8.5J + 53.5 Pirelli P Zero
Tyre dimensions	225/55R18 98W	245/40R20 98Y	245/40R20 98Y
Spare wheel type	Tyre Mobility Kit (TMK)	Tyre Mobility Kit (TMK)	Tyre Mobility Kit (TMK)
Electric vehicle functions	DYNAMIQ	TECHNIQ	EPIQ
Battery heating system - cold climate battery conditioning for DC charging and driving performance	•	•	•
Charging current function - set the defined battery charging current limit for AC charging	•	•	•
Charging limit function - set the defined battery charging limit for AC/DC charging	•	•	•
Driver only climate control fan function - increases driving range	•	•	•
Eco mode climate control function - increases driving range in Eco drive mode	•	•	•
EV charge transfer function - set the minimum battery % the V2L automatically discharges down to	•	•	•
Heat off climate control function - increases driving range	•	•	•
iPedal mode - intelligent one pedal driving mode	•	•	•
Navigation POI - EV charging stations; with auto display when needed	•	•	•
Next departure function - set the intended departure time for the scheduled charging	•	•	•
Regenerative braking control - via paddle shifters	•	•	•
Scheduled charging function - set the intended start and end time for charging; Off-peak tariffs prioritised/Off-peak tariffs only	•	•	•
Smart regenerative braking mode 2.0 - traffic & navigation based	•	•	•
Target temperature function - set the intended climate control temperature for next departure	•	•	•
Trailer Mode - Automatic AER adjustment	•	•	•
Trailer Mode - HTRAC AWD drive torque distribution	-	•	•
Utility mode function - uses the high voltage battery to power vehicle electronics	•	•	•
Vehicle to Load (V2L) connection (inside) - domestic 3-pin plug output	•	•	•
Vehicle to Load (V2L) connection (outside) - 2-way adapter to domestic 3-pin plug output	•	•	•
Visual notification of charging status (charge port door) - Parametric pixel LED indicator	•	•	•
Voice notification of charging status (outside) - using external VESS speaker	•	•	•
Active safety	DYNAMIQ	TECHNIQ	EPIQ
Electronic Stability Control (ESC) including;			
Anti-lock Braking System (ABS)			
Brake Assist System (BAS)			
Electronic Brakeforce Distribution (EBD)			
Hill-start Assist Control (HAC)	•	•	•
Multi Collision-Avoidance Brake (MCB)			
Traction Control System (TCS)			
Vehicle Stability Management (VSM)			
Hyundai SmartSense™ including;			
Blind-Spot Collision-avoidance Assist (BCA)			
Blind-Spot View Monitor (BSVM)			
Driver Attention Warning (DAW), including;			
Leading Vehicle Departure Alert			
Forward Collision-avoidance Assist (FCA) including;			
Car / Pedestrian / Cyclist Detection (FCA - CAR/PED/CYC)			
Direct Oncoming (FCA - DO)			
Junction Turning / Crossing functions (FCA - JT/JC)			
Lane Change Oncoming / Side functions (FCA - LO/LS)			
Evasive Steering Assist function (FCA - w/ ESA)			
Intelligent Front-lighting System (IFS)			
Intelligent Speed Limit Assist (ISLA)			
Lane Following Assist (LFA)			
Lane Keeping Assist - Line/Road-Edge (LKA-L/R)	•	•	•
Parking Collision-avoidance Assist - Forward/Side/Reverse (PCA-F/S/R)			
Rear Cross-Traffic Collision-Avoidance Assist (RCCA)			
Rear Occupant Alert (ROA)			
Safe Exit Warning (SEW)			
Smart Cruise Control (SCC), including;			
Stop & Go function (SCC w/ S&G)			
Machine Learning function (SCC w/ ML) - Based on Driving Style			
Surround View Monitor (SVM) including;			
3D Surround View function			
Driving Rear-View Monitor (DRM) function - rear view image on command			
Parking Distance Warning function w/ dynamic guidelines & guidance display			
Car wash entering mode			
Tailgate guide-line mode			
Trailer connection mode			
Other features			
Emergency Stop Signal (ESS)	•	•	•
Manual Speed Limit Assist (MSLA)	•	•	•
Parking Distance Warning - Forward/Side/Reverse (PDW-F/S/R) - 6 sensors front & rear with guidance display	•	•	•
Smart Parking Assist (SPA), including;	•	•	•
Perpendicular, Parallel and Diagonal reverse parking and Parallel and Diagonal forward exit functions	•	•	•
Steering wheel with Haptic feedback - SmartSense™ functions	•	•	•
Remote Smart Parking Assist (RSPA), via Smart Key, including;	•	•	•
Perpendicular, Parallel and Diagonal reverse parking and Forward/Rearward parking functions	•	•	•
Tyre Pressure Monitoring System (TPMS) - individual tyre pressure readout	•	•	•
Virtual Engine Sound System (VESS) - external sound notification for pedestrians	•	•	•

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Possible safety	DYNAMIQ	TECHNIQ	EPIQ
Airbags			
Front airbags - driver & front passenger	•	•	•
Front centre side airbag	•	•	•
Side (thorax & pelvis) airbags - driver & front passenger	•	•	•
Side curtain airbags	•	•	•
Doors			
Impact sensing auto door unlock	•	•	•
Rear door child safety locks	•	•	•
Seatbelts			
Load limiters - front & rear seat belts	•	•	•
Pretensioners & height adjustable upper mounts on front seat belts	•	•	•
Pretensioners on rear outboard seat belts	•	•	•
Seat belt reminder - front & rear seatbelts	•	•	•
Seating			
Height adjustable front head restraints with tilt function	•	•	•
Height adjustable rear head restraints	•	•	•
ISOFIX child restraint anchors (rear outboard seats)	•	•	•
Top tether child restraint anchors (rear) - 3 anchors	•	•	•
Security	DYNAMIQ	TECHNIQ	EPIQ
Security system			
Active lock/unlock operation (user configurable)	•	•	•
Anti-theft alarm	•	•	•
Central locking	•	•	•
Engine immobiliser	•	•	•
Remotes	•	•	•
Smart key remote - 2x	•	•	•
Other			
Capacitive touch front door handles - lock / unlock function	•	•	•
BlueLink® connected car service	DYNAMIQ	TECHNIQ	EPIQ
Vehicle functions			
Automatic Collision Notification (ACN)	•	•	•
Emergency Call (SOS) function	•	•	•
Connected Routing - server based navigation	•	•	•
Valet Mode function - restricted infotainment control	•	•	•
Voice Control - server based & natural voice recognition, including; vehicle controls, information, command & control	•	•	•
Calendar integration (Google, iCloud) - weather forecast information & vehicle diagnostics	•	•	•
Remote functions			
Alert Services - set geo-fencing, valet, speed and time alerts and notification limits	•	•	•
Remote functions - door lock/unlock, window open/close, hazard warning lights, horn, open/close charging port, start/stop charging	•	•	•
Remote climate control - including; windscreen defog and heated rear window/side mirrors operation	•	•	•
Remote services			
Navigation - destination send to car, find my car, my trips	•	•	•
Vehicle status & notifications - remote functions successful/unsuccessful, charging status, locking status, climate control status	•	•	•
Vehicle settings & management - scheduled charging, charging limits, energy consumption monitor, drivable distance radius, charging station search	•	•	•
Software updates			
Over The Air (OTA) software update capability	•	•	•
Multimedia system	DYNAMIQ	TECHNIQ	EPIQ
Audio/media sources			
AM radio	•	•	•
Apple CarPlay & Android Auto® compatibility	•	•	•
Bluetooth audio streaming	•	•	•
FM / Digital radio (DAB+)	•	•	•
Sounds of Nature - 6 pre-set sounds	•	•	•
USB multimedia input - music/video	•	•	•
Functions			
Bluetooth® Message Access Profile (MAP) - SMS playback capability; audio & visual	•	•	•
Bluetooth® Multi-Connection; 1x phone/audio & 1x audio	•	•	•
Capacitive touch screen - 12.3" HD display with blue light filter	•	•	•
Live traffic updates (BlueLink)	•	•	•
Radio Data System (RDS)	•	•	•
Satellite navigation	•	•	•
Voice memo function - up to 70 minutes recording time	•	•	•
Speakers			
BOSE™ Premium audio system - 8 speakers with external amplifier	•	•	•
Other features			
Colour theme layout - White or Black	•	•	•
EV vehicle functions display	•	•	•
Quiet Mode function - Audio volume limited to '25' in 1st row and muted in rear	•	•	•
Driving convenience	DYNAMIQ	TECHNIQ	EPIQ
Auto Hold function			
Easy Access function - driver's seat	•	•	•
Electronic Parking Brake (EPB)	•	•	•
Integrated Memory System (IMS), 2 driver positions - including;	•	•	•
Driver's seat (excluding lumbar) & exterior rear view mirror position	-	•	•
One touch turn signal - 3, 5, or 7 flashes	•	•	•
Personalised User Profile selection - 3 custom profiles; Driver 1, Driver 2 & Guest	•	•	•
Rain sensing aero wipers	•	•	•
Remote Start - via Smart Key	•	•	•
Reverse parking aid function - side mirrors	-	•	•
Smart key with push button start	•	•	•
Steering wheel mounted controls - audio, favourite, phone, voice control, lane safety, smart cruise control, speed limiter, trip computer & drive mode	•	•	•
Tilt & telescopic steering column	•	•	•
Driving engagement	DYNAMIQ	TECHNIQ	EPIQ
e-Active Sound Design (e-ASD) - 4 volume levels	•	•	•
Brake Mode - 2 settings; Normal & Sport	•	•	•
Drive Mode - 4 settings; Eco, Normal, Sport, Custom	•	•	•
Custom Mode - Programmable to Snow mode, or My Drive which features selectable power, acceleration, steering and driveline* options	•	•	•
Shift By Wire (SBW), electronic gear shift control	•	•	•
Occupant comfort & convenience	DYNAMIQ	TECHNIQ	EPIQ
Upholstery/trim			
Floor mats	•	•	•
Leather* appointed seats	•	•	•
Leather* appointed steering wheel	•	•	•
Front seats			
Driver's seat - power adjustable - 10-way (including 2-way lumbar support)	•	•	•
Driver's seat - 'Relaxion' comfort seat function (zero gravity position)	-	•	•
Driver's seat - Seat position change alert - displayed in multimedia system screen	-	•	•
Passenger's seat - power adjustable - 10-way (including 2-way lumbar support)	•	•	•
Passenger's seat - 'Relaxion' comfort seat function (zero gravity position)	-	•	•
Passenger's seat - centre side control switch with one-touch relaxation seat control	-	•	•
2 x USB-C power outlet - centre armrest console	•	•	•
1 x 12V power outlet - front lower console	•	•	•
Wireless charging pad 15w (Qi standard)* - centre console	•	•	•
Grip handles - 1x (passenger)	•	•	•
Rear seats			
Centre fold down armrest	•	•	•
Grip handles - 2x	•	•	•
2 x USB-C power outlet - rear of centre console	•	•	•
Windows/shades			
Acoustic laminated glass - windshield glass	•	•	•
Acoustic laminated glass* - side doors	•	•	•
Solar control glass - windshield & front doors	•	•	•
Privacy glass - rear doors & rear windshield	•	•	•
Power windows - one touch up & down function with anti-pinchng safety feature - all windows	•	•	•
Remote window control with Smart Key remote - all windows	•	•	•
Sun visors (extendable) - driver and front passenger	•	•	•
Full width glass sunroof - tilt and slide panel with power sunblind	-	•	•
Doors/tailgate			
Power retractable door handles - with approach open & unlock function	•	•	•
Power Tailgate - open/close with 2 opening heights	•	•	•
Smart Tailgate function - hands-free opening	•	•	•
Vision & sight	DYNAMIQ	TECHNIQ	EPIQ
Interior mirror			
Electro-Chromatic Mirror (ECM) - auto-dimming	•	•	•
Exterior mirrors			
Digital side mirrors (DSM)	-	-	•
Heated	•	•	•
Power adjustable	•	•	•
Power folding with auto fold function	•	•	•
Instrument cluster			
Head-Up Display	•	•	•
Supervision cluster including;			
12.3" colour TFT-LCD full screen display	•	•	•
Digital instrumentation with Driving Assist, Utility (Trip Computer), Turn By Turn & Powertrain view modes	•	•	•
3 x display themes; Eco, Normal & Sport with torque gauge	•	•	•
Colour theme layout - White or Black	•	•	•
Ventilation & heating	DYNAMIQ	TECHNIQ	EPIQ
Air conditioning			
Climate control - dual zone including;			
Touch type control panel	•	•	•
Auto defog function	•	•	•
Auto dehumidify function	•	•	•
Smart vent function	•	•	•
Auto internal air circulation function; windscreen washer based & navigation map data based	•	•	•
Auto fan function - including 3 modes; Low, Medium & High	•	•	•
Cabin air filter	•	•	•
Cooling/heating ducts - rear floor	•	•	•
Front seats			
Heated front seats - 3 stage	•	•	•
Air ventilated front seats - 3 stage	-	•	•
Rear seats			
Heated rear outboard seats - 2 stage	-	•	•
Other features			
Auto Comfort Control -auto activation of driver's heated / ventilated seat & heated steering wheel	-	•	•
Heated rear windshield	•	•	•
Heated steering wheel	-	•	•
Heat pump system - high efficiency heater	-	-	•
PTC Heater - electric heater	•	•	•
Exterior styling	DYNAMIQ	TECHNIQ	EPIQ
Front			
Headlights - black bezel with Parametric Pixel graphics	•	•	•
Front upper sensor bar - gloss black	•	•	•
Front bumper air guide - gloss black with silver trimming	•	•	•
Front bumper lower lip spoiler - recycled pigment paint	•	•	•
Rear			
Taillights - black bezel with parametric pixel graphics	•	•	•
Rear bumper insert - gloss black with silver trimming	•	•	•
Rear bumper cladding - recycled pigment paint	•	•	•
Spoiler - boot lid mounted	•	•	•
Side			
Door frame, beltline moulding & mirror base - gloss black	•	•	•
Flush type door handle	•	•	•
Side cladding - recycled pigment paint	•	•	•
Wheels			
Machined finish aero wheel	•	•	•
Other features			
Roof aerial (shark fin type) - smoked finish transparent	•	•	•
Interior styling	DYNAMIQ	TECHNIQ	EPIQ
Treatments			
Alloy effect finish (dashboard, speakers, door handles, wiper/light/transmission controls, air vents & overhead light console)	•	•	•
Gloss black - hybrid-touch steering wheel buttons, drive mode button & EV start/stop button	•	•	•
Materials			
Pedals - alloy	•	•	•
Door scuff plates - stainless steel	•	•	•
Design			
Steering wheel - EV exclusive with flat bottom & Parametric Pixels	•	•	•

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Lighting	DYNAMIQ	TECHNIQ	EPIQ
Exterior lighting - front			
Headlight functions - automatic dusk sensing with escort and welcome	•	•	•
Dual projector LED with intelligent high beam function	•	•	•
Positioning lights - LED w/Parametric Pixel graphics	•	•	•
Daytime Running Lights (DRL) - LED w/Parametric Pixel graphics	•	•	•
Turn signal lights - LED w/Parametric Pixel graphics	•	•	•
Exterior lighting - rear			
Taillights - Full LED w/Parametric Pixels	•	•	•
Positioning lights - LED	•	•	•
Brake lights - LED	•	•	•
Turn signal lights - LED	•	•	•
Reverse lights - LED	•	•	•
License plate lights - LED	•	•	•
High mount stop light (HMSL) integrated into rear spoiler - LED	•	•	•
Exterior lighting - others			
Side repeaters - LED w/Parametric Pixel graphics, integrated into side mirrors	•	•	•
Front cargo area light - LED	•	•	•
Interior lighting - front			
Map lights with touch type operation - LED	•	•	•
Room lights including map lights & mood light - LED	•	•	•
Steering wheel interactive pixel lighting - LED	•	•	•
Glovebox compartment light - LED	•	•	•
Vanity mirror lights - LED	•	•	•
Interior lighting - rear			
Centre room light - LED	•	•	•
Interior lighting - others			
Interior Ambient lighting - LED: door & dashboard insert, including:			
Dual zone adjustable colours & brightness; 6 pre-set moods and up to 64 colour choices	•	•	•
Voice recognition visual feedback			
Sync with speed - speed sensitive ambient lighting brightness			
Rear cargo area light - LED	•	•	•
Interior light fade-out delay	•	•	
Storage solutions	DYNAMIQ	TECHNIQ	EPIQ
Front seats			
Centre console w/lower & armrest compartment storage	•	•	•
Cup holders - centre console	•	•	•
Glovebox compartment - sliding type	•	•	•
Ticket holders - sun visors (driver and front passenger)	•	•	•
Rear seats			
Centre console rear storage compartment	•	•	•
Coat hooks - 1x	•	•	•
Cup holders - armrest	•	•	•
Front seat back pockets - net type	•	•	•
Split folding backrest - 60:40	•	•	•
Boot/luggage area			
Underfloor storage compartment	•	•	•
Bonnet			
Front cargo compartment	•	•	•
Others			
Doors - map pockets and bottle holders (front and rear)	•	•	•
Notes: 1. Apple CarPlay requires iPhone 5 or subsequent model (lightning cable) in order to operate. 2. Android Auto requires a device with Android 5.0 operating system or subsequent version in order to operate. 3. Finishes specified as leather may contain elements of genuine leather, polyurethane leather (leather substitute) or man-made materials, or a combination thereof. 4. Wireless charging requires a Qi-enabled smartphone or adapter in order to operate. 5. Applicable to TECHNIQ and EPIQ variants only.			
Key: • = Feature included as standard on trim - = Feature is not available on trim			