

Hyundai IONIQ 5 N.

Specifications.



Hyundai IONIQ 5 N

Electric motors

Motor type - front	Permanent magnet synchronous motor driving front wheels
Motor type - rear	Permanent magnet synchronous motor driving rear wheels
Maximum power - front motor / rear motor (with N Grin Boost)	166 kW / 282 kW (175 kW / 303 kW)
Maximum torque - front motor / rear motor (with N Grin Boost)	350 Nm / 390 Nm (370 Nm / 400 Nm)
Maximum power - total (with N Grin Boost)	448 kW (478 kW)
Maximum torque - total (with N Grin Boost)	740 Nm (770 Nm)

Battery

Battery type	Liquid cooled Lithium-ion
Capacity	84.0 kWh
Output (with N Grin Boost)	432 kW (535 kW)
Voltage	697 V

Cooling system

Active Air Flap (AAF) - front lower air intake shutters

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On-board AC charger

Charging capacity (maximum)	10.5 kW
Standard charging time (10 to 100%)	Approx 10hr 50min at 7kW
Charging port	Type 2 (IEC 62196-2 Type 2)

On-board DC fast charger

Charger compatibility	400 / 800 V
50 kW fast charging time (10 to 80%)	Approx. 70min
350 kW ultra-fast charging time (10 to 80%)	Approx. 18min
Charging port	CCS Combo2 (IEC 62196-3 Configuration FF)

Portable emergency charging cable

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 - 10 to 100%)	Approx. 40hr

Vehicle To Load (V2L)

Output capacity (maximum)	250 V, 3.6 kW, 15 A
Connector - inside	Domestic 3-pin plug output

Transmission

Reduction gear - Front	Single speed reduction gear with dog clutch (DAS)
Reduction gear - Rear	Single speed reduction gear
Gear ratio	
Reduction gear - Front	2.2647
Reduction gear - Rear	2.2632
Final gear	4.7060

Differential

Front	Differential with Torque Vectoring Control (TVC)
Rear	Electronic-Limited Slip Differential (E-LSD)

Driveline

AWD Type	HTRAC Dual Motor with Disconnecter Actuator System (DAS)
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Steering	
Type	Rack mounted Motor Driven Power Steering (R-MDPS), rack & pinion
Minimum turning circle diameter between kerbs / walls	12.42
Number of steering wheel turns lock to lock	2.29
Steering wheel diameter	370 mm
Suspension	
Front	MacPherson strut
Rear	Multi-link
Damping control system	Electronic Control Suspension (ECS)
Brakes	
Booster	Integrated Electronic Brake (IEB)
Front brake type	Ventilated disc with 4 piston monobloc calipers and air guides
Front disc dimensions	400 mm x 34 mm
Rear brake type	Ventilated disc with single piston sliding calipers and air guides
Rear disc dimensions	360 mm x 20 mm
Aerodynamics	
Coefficient of drag (Cd)	0.313
Weight	
Tare Mass	2,230 kg
Gross Vehicle Mass (GVM)	2,660 kg
Permissible Axle Weight (PAW) - front	1,315 kg
Permissible Axle Weight (PAW) - rear	1,433 kg
Roof rack load limit	80 kg
Towing Capacity	
Braked	N/A
Un-braked	N/A
Maximum tow ball weight	N/A
Trailer pre-wiring package	-
Energy consumption*	
Electric driving efficiency (kWh/100km) Combined:	21.2
All Electric Range (AER)	448 km
*Based on a full charge. Figures 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	
Maximum speed	260 km/h
0 ~ 100 km/h (with N Grin Boost)	3.5 sec (3.4 sec)
80 ~ 120 km/h (with N Grin Boost)	1.9 sec (1.8 sec)
0 ~ 400 m (with N Grin Boost)	11.7 sec (11.5 sec)
100 ~ 0 km/h	40.2 m
Dimensions	
Exterior	
Length	4,715 mm
Width	1,940 mm
Height	1,585 mm
Wheelbase	3,000 mm
Wheel track - front / rear	1,667 mm / 1,672.2 mm
Minimum ground clearance	142 mm (152 mm for battery)
Interior	
Head room front / rear (with optional Vision roof)	1,010 / 982 mm (993 mm / 953 mm)
Leg room front / rear	1,060 mm / 1,013 mm
Shoulder room front / rear	1,465 mm / 1,470 mm
Hip room front / rear	1,368 mm / 1,362 mm
Cargo area front - VDA	N/A
Cargo area rear - VDA (minimum / maximum)	480 L / 1,540 L
Wheels & tyres	
Wheel type	Forged alloy with aerodynamic inserts
Wheel dimensions	21 x 9.5J +45

Tyre type	Pirelli P-Zero HN
Tyre dimensions	275/35R21 103Y XL
Spare wheel type	Tyre Mobility Kit (TMK)
Driving engagement	
Brake Mode - 2 settings; Normal & Sport	•
Drive Modes - Eco, Normal, Sport, N, Custom 1, Custom 2	•
Left Foot Braking - Circuit feature allowing simultaneous accelerator and brake use, enabled when ESC set to off	•
N Active Sound + (NAS+) - High performance sounds delivered via internal and external speakers, user configurable	•
N Battery Preconditioning (NBP) - Pre-conditioning for optimal battery temperature for Drag and Track driving	•
N Drift Optimiser - Circuit feature delivering optimised torque distribution to enable pro-driver style drifting	•
N e-Shift - Virtual shift control for intuitive feel based driving	•
N Grin Boost (NGB) - Maximum power delivery for 10 seconds	•
N Launch Control - Acceleration assist with user configurable road grip level for optimised torque control	•
N Mode in multimedia display - User configurable menu with N Custom mode, performance options, automatic lap timer with N Track Maps	•
N Pedal - Circuit feature to enable 1 pedal driving for pro-driver style weight transfer and turn in	•
N Race - Maximised battery cooling and power control for track driving with Sprint and Endurance modes	•
N Road Sense - Curve sign detection for user prompts to enable N mode	•
N dedicated steering wheel - with Drive Modes, Customisable N buttons, and N Grin Boost (NGB) controls	•
N Torque Distribution (NTD) - User configurable driving force distribution allowing up to 100% power delivery to front or rear axle	•
Regen Brake Maximisation - Enhanced regenerative braking to minimise brake fade and maximise stopping power	•
Track State of Charge - Automatic display of battery consumption per lap during track driving	•
Electric vehicle functions	
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	•
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 - traffic & navigation based	•
Target temperature function - set the intended climate control temperature for next departure	•
Utility mode function - uses the high voltage battery to power vehicle electronics	•
Vehicle to Load (V2L) connection (inside) - 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	
Electronic Stability Control (ESC) including;	
Anti-lock Braking System (ABS)	•
Brake Assistant System (BAS)	•
Electronic Brakeforce Distribution (EBD)	•
Hill-start Assist Control (HAC)	•
Multi Collision-Avoidance Brake (MCB)	•
Traction Control System (TCS)	•
Vehicle Stability Management (VSM)	•
Brake disc cleaning function	•

ESC Sport mode	•
Hyundai SmartSense™ including;	
Blind-Spot Collision Avoidance-Assist (BCA)	•
Blind-Spot View Monitor (BVM)	•
Driver Attention Warning (DAW), including; Leading Vehicle Departure Alert	•
Forward Collision-Avoidance Assist (FCA) including: Car / Pedestrian / Cyclist Detection (FCA - CAR/PED/CYC) Junction Turning / Crossing functions (FCA - JT/JC) Direct Oncoming / Lane Change Oncoming / Side functions (FCA - DO/LO/LS) Evasive Steering Assist function (FCA - w/ ESA)	•
High Beam Assist (HBA)	•
Highway Driving Assist (HDA) including: Distance control, Lane Following Control, and Lane Change Assist Control	•
Intelligent Speed Limit Assist (ISLA)	•
Lane Following Assist (LFA)	•
Lane Keeping Assist - Line/Road-Edge (LKA-L/R)	•
Navigation-based Smart Cruise Control (NSCC)	•
Parking Collision-Avoidance Assist - Forward/Side/Reverse (PCA-F/S/R)	•
Rear Cross-Traffic Collision-Avoidance Assist (RCCA)	•
Rear Occupant Alert (ROA) - warning type	•
Safe Exit Assist (SEA)	•
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 forward exit 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	•
Passive safety	
Airbags	
Front airbags - driver & front passenger	•
Side (thorax & pelvis) airbags - driver & front passenger	•
Side curtain airbags	•
Doors	
Impact sensing auto door unlock	•
Electronic child safety lock - rear doors & windows	•
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 rear head restraints	•
ISOFIX child restraint anchors (rear outboard seats)	•

Top tether child restraint anchors (rear) - 3 anchors	•
N Light Seats - fixed headrest, lightweight front bucket seats, extended bolsters and illuminated N logo	•
Security	
Security system	
Active lock/unlock operation (user configurable)	•
Anti-theft alarm	•
Central locking	•
Engine immobiliser	•
Remotes	
Smart key remote - 2x including emergency key blade	•
Other	
Capacitive touch front door handles - lock / unlock function	•
Bluelink® connected car service	
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) & vehicle diagnostics	•
Weather forecast information	•
Remote functions	
Alert Services - set geo-fencing, valet, speed, and time alerts	•
Remote Functions – door lock/unlock, window open/close, hazard warning lights, horn, start/stop charging, start/stop conditioning	•
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 - Battery Range, Charging Status, locking status, A/C/heating status and vehicle status	•
Vehicle Management and EV Service – scheduled charging, charging limits, energy consumption monitor, charging station search and fault diagnosis	•
Software updates	
Over The Air (OTA) software update capability	•
Multimedia system	
Audio/media sources	
AM / FM / Digital radio (DAB+)	•
Apple CarPlay™ ¹ & Android Auto™ ² compatibility - wired and wireless	•
Bluetooth® audio streaming	•
USB C-type multimedia input - 1x (centre console)	•
Functions	
Bluetooth® - with multi-connection (1 x phone/audio & 1 x audio)	•
Capacitive touch screen - 12.3" HD display, blue light filter	•
Quiet Mode function - Audio volume limited 1st row and muted in rear	•
Radio Data System (RDS)	•
Satellite Navigation	•
Live traffic updates (Bluelink®)	•
Voice memo function	•
Electric vehicle functions display	•
Speakers	
Bose™ premium audio system - 8 speakers with external amplifier	•
Driving convenience	
Auto Hold function	•
Electronic Parking Brake (EPB)	•

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	•
Rear wiper	•
Smart key with push button start	•
Steering wheel mounted controls	•
Tilt & telescopic steering column	•
Occupant comfort & convenience	
Upholstery/trim	
Floor mats	•
Leather ³ appointed steering wheel	•
Alcantara/leather ³ appointed seats	•
Leather ³ appointed door armrests w/cloth inserts & stitching	•
Front seats	
1 x 12V power outlet - front console	•
2 x USB-C power outlet - front console	•
Centre console armrest - sliding type	•
Driver's seat - height adjustable	•
Driver's seat - manually adjustable	•
Grip handles - 1x (passenger)	•
Knee brace integrated into front console lower	•
Passenger's seat - height adjustable	•
Passenger's seat - manually adjustable	•
Wireless charging pad 15W (Qi standard) ⁴ - centre console	•
Rear seats	
Centre fold down armrest	•
Grip handles - 2x	•
2 x USB-C power outlet - rear of centre console	•
Manual backrest recline function - 2-way (60:40)	•
Manual seat base slide function - 2-way (60:40)	•
Windows/shades	
Acoustic laminated glass - windshield glass	•
Acoustic laminated glass - side doors	•
Solar control glass - windshield & front doors	•
Privacy glass - rear doors & tailgate	•
Power windows - one touch up & down function with anti-pinching safety feature - front windows	•
Convenience opening/closing function with Smart Key remote - front windows	•
Sun visors (extendable) - driver and front passenger	•
Vision roof - fixed glass roof panel with power sunshade	o
Doors/tailgate	
Luggage area power outlet - 1 x 12V outlet	•
Power charge flap - open/close	•
Power retractable door handles - with approach open & unlock function	•
Power Tailgate - open/close; with adjustable height and speed	•
Smart Tailgate function - hands-free opening	•
Other	
Instrument panel display board - with magnetic attachment capability	•
Vision & sight	
Interior mirror	
Electro-Chromatic Mirror (ECM) - auto-dimming	•
Digital Centre Mirror (DCM) - with full screen digital display	•
Exterior mirrors	
Heated	•
Power adjustable	•

Power folding with auto fold function	•
Instrument cluster	
12.3" Supervision cluster - with vehicle, navigation and multimedia information and dedicated N themes	•
Head-Up-Display - with driving information and dedicated N themes	•
Ventilation & heating	
Air conditioning	
Climate control - dual zone including; Touch type control panel Auto defog function, auto dehumidify function, and air-conditioning auto-drying 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 vents - rear 'B' pillars Cooling/heating ducts - rear floor	•
Front seats	
Heated front seats - 3 stage	•
Air ventilated front seats - 3 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	•
Exterior styling	
Front	
Headlights - black bezel with Parametric Pixel graphics	•
Front upper middle trim - gloss black with Parametric Pixel graphics and N logo	•
Front bumper - N dedicated bumper with upper radiator grille, side air curtains, active air flaps and luminous orange inserts	•
Rear	
Taillights - black bezel with parametric pixel graphics and N exclusive black IONIQ 5 lettering	•
Rear bumper - N dedicated bumper with Parametric Pixel reflectors, diffuser, and luminous orange inserts	•
Roof spoiler - N exclusive tailgate mounted with integrated high mount stop lamp and rear view camera	•
Side	
Air guides in front of rear wheels	•
Door frame, beltline moulding & mirror - gloss black	•
Flush type door handle	•
Side skirts - N exclusive with luminous orange inserts	•
Wheels	
Machined faced forged alloy wheel with aero inserts - N exclusive	•
Other features	
Roof aerial (shark fin type) - gloss black	•
Interior finishes	
Alloy effect finishes on wiper/light/transmission controls	•
Door scuff plates - N exclusive stainless steel with flag pixel design	•
Door trim insert garnish - N exclusive paperette w/ Performance Blue flag pixel graphics	•
Headlining - cloth	•
Pedals - N exclusive metal with pixel flag cutout rubber grip pads	•
Premium door trim materials	•
Design	
Steering wheel - N exclusive with Performance Blue stitching	•
Lighting	
Exterior lighting - front	
Headlight functions - automatic dusk sensing with escort and welcome	•

Headlight type - Dual projector beam LED - low/high beam	•
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 lighting system w/Parametric Pixel graphics	•
LED light guide - full width	•
Fog lights - LED integrated into lighting system	•
License plate lights - LED	•
High mount stop light (HMSL) - N exclusive triangular LED	•
Exterior lighting - others	
Side repeaters - LED w/Parametric Pixel graphics, integrated into side mirrors	•
Manual headlight levelling function	•
Interior lighting - front	
Map lights with touch type operation - LED	•
Mood light - LED	○
Room lights including map lights - LED	•
Glovebox compartment light - LED	•
Vanity mirror lights - LED	•
Interior lighting - rear	
Centre room light - LED	•
Room lights and map lights - LED (outboard)	○
Interior lighting - others	
Interior Ambient lighting - LED in door trim and speaker surrounds with adjustable colours & brightness	•
Rear cargo area light	•
Interior light fade-out delay	•
Storage solutions	
Front seats	
Centre console storage	•
Cup holders including - centre console lower	•
Front lower console storage compartment	•
Glovebox compartment - conventional type	•
Ticket holders - sun visors (driver and front passenger)	•
Rear seats	
Coat hooks - 1x	•
Cup holders including phone holder - armrest	•
Split folding backrest - 60:40	•
Boot/luggage area	
Cargo cover - dual position, retractable	•
Luggage board - foldable	•
Luggage compartment - 4x tie down hooks	•
Luggage net	•
Underfloor storage compartment	•
Others	
Doors - map pockets and bottle holders (front and rear)	•
<p>Notes:</p> <ol style="list-style-type: none"> 1. Apple CarPlay requires compatible device in order to operate. 2. Android Auto requires a compatible device 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 compatible device in order to operate. <p>Key:</p> <ul style="list-style-type: none"> • = Feature included as standard on trim ○ = Feature is optional on trim - = Feature is not available on trim 	