

ELECTRIFIED G80 (SEPTEMBER 2022)	
STANDARD SPECIFICATIONS AND FEATURES	
ELECTRIC MOTORS	
Motor type - Rear	AWD
Motor type - Front	Permanent Magnet Synchronous Motor (PMSM)
Configuration	Permanent Magnet Synchronous Motor (PMSM)
Maximum power - Rear motor / Front motor	Rear + front mounted driving rear + front wheels
Maximum torque - Rear motor / Front motor	136 / 136kW
Maximum power - Total	350 / 350Nm
Maximum torque - Total	272kW
Maximum torque - Total	700Nm
BATTERY	
Battery type	AWD
Capacity	Lithium-Ion
Output	87.2kWh
Voltage	307kW
ON-BOARD AC CHARGER	522.7V
Charging capacity (maximum)	AWD
Charging port	7kW (single-phase) / 10.5kW (three-phase)
ON-BOARD DC FAST CHARGER	Type 2 (IEC 62196-2 Type 2)
Charging capacity	AWD
Charger compatibility	350kW
350 kW ultra-fast charging time (10 to 80%)	400/800V
Charging port	Approximately 22 minutes
PORTABLE EMERGENCY CHARGING CABLE	CCS Combo2 (IEC 62196-3 Configuration FF)
Type	AWD
Output capacity (maximum)	In-cable control box (ICCB) with domestic 3-pin plug input
Charging plug	230V, 10A
Standard charging time (230V at maximum charging capacity - Up to 100%)	Type 2 (IEC 62196-2 Type 2)
VEHICLE TO LOAD (V2L)	Approximately 39 hours
Connector - Exterior	AWD
TRANSMISSION	CCS Combo2 (IEC 62196-3 Configuration FF)
Reduction gear - Rear	2-way adapter to domestic 3-pin plug output
Reduction gear - Front	AWD
GEAR RATIO	Single speed reduction gear
Reduction gear - Rear	Single speed reduction gear
Reduction gear - Front	2.263
DRIVELINE	2.263
All Wheel Drive (AWD)	AWD
AWD Type	•
OTHER	e-All Wheel Drive (e-AWD)
Under bonnet insulator	•
STEERING	
Type	AWD
Overall Gear Ratio	Variable Gear Ratio (VGR) rack & pinion with rack mounted Electric Power Steering (EPS)
Minimum turning circle diameter between kerbs / walls	11.2:1
Number of steering wheel turns lock to lock	11.64m
SUSPENSION	2.25
Front	AWD
Rear	Multi-link
Damping control system	Multi-link
BRAKES	Road Preview-Electronic Control Suspension (Preview-ECS)
System	AWD
Booster	Dual diagonal-split circuit, power assisted with Electronic Brake-force Distribution (EBD) and Electronic Stability Control (ESC) and active hydraulic booster (regenerative braking)
Front brake type	Integrated Electric Booster (IEB)
Front caliper colour	Ventilated discs with 4-piston Monobloc fixed calipers
Front disc dimensions	Silver with Genesis word mark
Rear brake type	360mm x 34mm
Rear disc dimensions	Ventilated discs with 1-piston floating calipers
WEIGHT	360mm x 20mm
Tare Mass	AWD
Gross Vehicle Mass (GVM)	2,325kg
ENERGY CONSUMPTION*	2,770kg
Electric driving efficiency; Combined:	AWD
Wh/km	
kWh/100km	191
All Electric Range (AER)*	19.1
* 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	AWD
Maximum speed (km/h)	225
0 ~ 100 km/h (seconds)	4.9
80 ~ 120 km/h (seconds)	3.2
Coefficient of drag (Cd)	0.26
WHEELS & TYRES	
Wheel type	AWD
Wheel dimensions - Front / Rear	Alloy
Tyre type	19 x 8.5J +43.5 / 19 x 9.5J +56
Tyre dimensions - Front / Rear	Michelin Pilot Sport 4
Spare wheel type	245/45 ZR19 / 275/40 ZR19
DIMENSIONS	Tire Mobility Kit (TMK)
EXTERIOR	
Length	AWD
Width (excluding exterior mirrors)	5,005mm
Height	1,925mm
Wheelbase	1,475mm (TBC)
Wheel track - Front / Rear	3,010mm
Overhang - Front / Rear	1,630 / 1,636mm
INTERIOR	
Head room - Front / Rear	845 / 1,145mm
Leg room - Front / Rear	1,024 / 930mm
Shoulder room - Front / Rear	1,070 / 912mm
Cargo area - VDA	1,480 / 1,450mm
ELECTRIC VEHICLE FUNCTIONS	354L
i-PEDAL mode - Intelligent one pedal driving mode	AWD
Smart / Auto regenerative braking mode 2.0 - Traffic & navigation based	•
Regenerative braking control - Via paddle shifters	•
Vehicle to Load (V2L) connection - Exterior	•
Voice notification of charging status (outside) - Using external VESS speaker	•
Visual notification of charging status (charge port door) - 3-level LED indicator	•
Navigation POI - EV charging stations; with auto display when needed	•
Next departure function - Set the intended departure time for the scheduled charging	•
Scheduled charging function - Set the intended start and end time for charging; Off-peak tariffs prioritised/Off-peak tariffs only	•
Target temperature function - Set the intended climate control temperature for next departure	•
EV charge transfer function - Set the minimum battery % the V2L automatically discharges down to	•
Charging limit function - Set the defined battery charging limit for AC/DC charging	•
Charging current function - Set the defined battery charging current limit for AC charging	•
Electricity usage display - Energy usage breakdown (driving, climate, electronics, battery care)	•
Utility mode function - Uses the high voltage battery to power vehicle electronics	•
Eco mode climate control function - Increases driving range in Eco drive mode	•
Driver only climate control fan function - Increases driving range	•
Heat off climate control function - Increases driving range	•
Battery heating system	•

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DRIVING CONVENIENCE	AWD
Electronic Parking Brake (EPB)	•
Auto Hold function	•
Integrated Memory System, 2 driver positions, Including: Driver's seat base, back, thigh support, height, steering wheel, exterior rear view mirror position, & Head-Up Display (HUD) height and rotation	•
Easy Access function - Driver's seat & steering wheel	•
Lane change turn signal function - User configurable	•
Rain sensing windscreen wipers - With Auto control	•
Reverse parking aid function - Exterior mirrors	•
Remote Start - Via Smart Key	•
Smart Key with push button start	•
Steering wheel mounted controls - Audio, favourite, phone, voice control, lane safety, smart cruise control, speed limiter & trip computer	•
Tilt & telescopic steering column - Power adjustable	•
Personalised User Profile selection - 3 custom profiles; Driver 1, Driver 2 & Guest	•
DRIVING ENGAGEMENT	AWD
Drive Mode - 4 settings; Eco, Comfort, Sport & 'My' custom mode	•
Brake Mode - 2 settings; Comfort & Sport	•
Road Preview Electronic Control Suspension (Preview-ECS) - 2 settings; Comfort & Sport	•
Paddle shifters - Regenerative braking control	•
Shift By Wire (SBW), electronic gear shift control - Rotary dial type	•
ACTIVE SAFETY	AWD
ELECTRONIC STABILITY CONTROL (ESC)	
Includes the following:	
<ul style="list-style-type: none"> <li>Anti-lock Braking System (ABS)</li> <li>Brake Assist System (BAS)</li> <li>Electronic Brake-force Distribution (EBD)</li> <li>Hill-start Assist Control (HAC)</li> <li>Multi Collision Brake (MCB)</li> <li>Traction Control System (TCS)</li> <li>Vehicle Stability Management (VSM)</li> </ul>	•
GENESIS ACTIVE SAFETY CONTROL	
Includes the following:	
<ul style="list-style-type: none"> <li>Blind-Spot Collision Avoidance-Assist - Rear/Side (BCA-R/S)</li> <li>Blind-Spot View Monitor (BVM)</li> <li>Driver Attention Warning (DAW), including: <ul style="list-style-type: none"> <li>Forward Attention Warning (FAW); Gaze-on-the-road warning function</li> <li>Leading Vehicle Departure Alert</li> </ul> </li> <li>Forward Collision-Avoidance Assist (FCA), including: <ul style="list-style-type: none"> <li>Car/Pedestrian/Cyclist detection (FCA - CAR/PED/CYC)</li> <li>Junction Turning/Junction Crossing function (FCA - JT/JC)</li> <li>Lane-Change Oncoming/Lane-Change Side function (FCA - LO/LS)</li> <li>Evasive Steering Assist function (FCA w/ ESA)</li> </ul> </li> <li>High Beam Assist (HBA)</li> <li>Intelligent Front-Lighting System (IFS) - Intelligent High Beam function (matrix)</li> <li>Intelligent Speed Limit Assist (ISLA)</li> <li>Lane Keeping Assist - Line/Road-Edge (LKA-L/R)</li> <li>Lane Following Assist (LFA)</li> <li>Parking Collision-Avoidance Assist - Reverse (PCA-R)</li> <li>Pre-active Adjustment Safe-Seat (PAS) - Front passenger seat</li> <li>Pre-active Seat Belt (PSB) - Front seats</li> <li>Rear Cross-Traffic Collision Avoidance-Assist (RCCA)</li> <li>Rear Occupant Alert (ROA) - Sensor type</li> <li>Safe Exit Assist (SEA)</li> <li>Smart Cruise Control (SCC), including: <ul style="list-style-type: none"> <li>Stop &amp; Go function (SCC w/ S&amp;G)</li> <li>Machine Learning function (SCC w/ ML) - Based on Driving Style</li> <li>Drive Mode based function</li> <li>Overtaking Acceleration Assist function</li> </ul> </li> <li>Surround View Monitor (SVM) including: <ul style="list-style-type: none"> <li>3D Surround View function</li> <li>Driving Rear-View Monitor (DRM) function - Rear view image on command</li> <li>Parking Distance Warning function w/ dynamic guidelines &amp; guidance display</li> <li>Car wash entering mode</li> <li>Boot lid guide-line mode</li> </ul> </li> </ul>	•
OTHER FEATURES	
Emergency Stop Signal (ESS)	
Steering wheel with Haptic feedback - Genesis Active Safety Control functions	•
Manual Speed Limit Assist (MSLA)	
Parking Distance Warning - Forward/Reverse (PDW-F/R); 6 sensors front & rear with guidance display	
Smart Parking Assist (SPA), including:	•
Perpendicular & Parallel reverse parking and Parallel forward exit functions	
Remote Smart Parking Assist (RSPA), via Smart Key, including:	•
Perpendicular & Parallel reverse parking and Forward/Rearward parking functions	
Tyre Pressure Monitoring System (TPMS) - Individual tyre readout	•
Virtual Engine Sound System (VESS) - External sound notification for pedestrians	
PASSIVE SAFETY	AWD
AIRBAGS - SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	
10 Airbags, including:	
<ul style="list-style-type: none"> <li>Front airbags - Driver &amp; passenger</li> <li>Front centre side airbag</li> <li>Knee airbag - Driver</li> <li>Side (thorax &amp; pelvis) airbags - Driver and front passenger</li> <li>Side (thorax) airbags - Rear outboard passengers</li> <li>Side curtain airbags</li> </ul>	•
DOORS	
Impact sensing auto door unlock	•
Electronic child safety lock - Rear doors & windows	•
PEDESTRIAN SAFETY	
Active bonnet lift system	•
Backup Light Guide function - Reverse light projection on ground	•
SEAT BELTS	
Front seat belts, including:	•
<ul style="list-style-type: none"> <li>Pre-tensioners with load limiters</li> <li>Height adjustable upper mounts</li> </ul>	
Rear seat belts, including:	•
Pre-tensioners with load limiters	
Seat Belt Reminder (SBR) - All positions	•
SEATING	
Height adjustable front head restraints with tilt function	•
Height adjustable rear head restraints	•
Child Restraint System (CRS), including:	
<ul style="list-style-type: none"> <li>ISOFIX child restraint anchors - Rear outboard seats</li> <li>Top tether child restraint anchors - Rear seats</li> </ul>	•
OTHER FEATURES	
First Aid kit	•
Hazard warning triangle	•
Roadside Assistance kit	•
SECURITY	AWD
SECURITY SYSTEM	
Central locking - Driver, front passenger, rear passenger lock / unlock controls	•
Engine immobiliser	•
Theft-Alarm System	•
Auto door lock / unlock operation - User configurable	•
Boot lid control - Valet mode	•
Glovebox compartment - Lockable	•
REMOTES / KEYS	
Smart Key remote - 2x, with integrated mechanical key	•
Additional mechanical key - 1x	•
OTHER	
Capacitive touch front door handles - Lock / Unlock function	•
MULTIMEDIA SYSTEM	AWD
AUDIO / MEDIA SOURCES	
AM radio	•
FM / Digital Radio (DAB+)	•
Apple CarPlay <sup>1</sup> / Android Auto <sup>2</sup> compatibility	•
Bluetooth® audio streaming	•
Sounds of Nature - 6 pre-set sounds	•
USB SS (SuperSpeed) audio/video input with iPod® compatibility	•

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FUNCTIONS		
Bluetooth® Multi-Connection; 1 x phone/audio & 1 x audio		•
Bluetooth® Message Access Profile (MAP) - SMS playback capability; audio & visual		•
Capacitive touch screen - 14.5" HD display, 32:9 screen ratio (2560 x 720) with blue light filter		•
Genesis Integrated Controller w/ handwriting recognition pad		•
Radio Data System (RDS)		•
Satellite navigation, including:		
5 Map views; 2D heading up, 2D north up, 3D Map, Neon White & Neon		•
Augmented Reality (AR) navigation map mode		
Live Traffic updates (RDS-TMC)		
Rear Seat Entertainment (RSE), including:		
Dual capacitive touch screens; 9.2" HD display (1280 x 720) with blue light filter - Rear of front seats		•
Dual 3.5mm headphone jacks - Rear centre armrest compartment		
USB audio/video input - Rear centre armrest compartment		
Voice memo function - up to 70 minutes recording time		•
SPEAKERS / AMPLIFIER		
Lexicon® by HARMAN premium audio system, including:		
20 speakers - In 16 locations		•
External digital amplifier - 1050W, 14 channel		
QuantumLogic® Surround (QLS) Digital Signal Processing (DSP) - 3 settings, including:		
Reference Mode, Audience Mode & On Stage Mode		
OTHER FEATURES		
Active Noise Control - Road (ANC-R) - Noise cancelling function		•
Colour theme layout		•
EV vehicle functions display		•
Quiet Mode function - Audio volume limited in 1st row and muted in rear		•
OCCUPANT COMFORT & CONVENIENCE		AWD
FRONT SEATS		
Drivers' seat - 18-way power adjustable, including:		
2-way backrest side bolster adjustment - Air cell type		•
2-way cushion length adjustment - Power type		
2-way cushion support (pelvic) adjustment - Air cell type		
Seat position change alert - Displayed in multimedia system screen		
Capacitive touch seat switch function alert - Displayed in multimedia system screen		
Passenger's seat - 12-way power adjustable, including:		
4-way lumbar support - Air cell type		•
Easy Access function		
Remote power adjust - Via Multimedia screen		
Walk-in switch - Driver/rear passenger control for slide and recline		
Driver's seat - Ergo Motion function, including:		
Pelvic stretching, Lumbar stretching & Whole body stretching modes		•
Smart Posture Assist function		
Smart Support function		
Grip handles - Driver & passenger		•
Vanity mirrors - Front sun visors		•
Power outlets, 2x, including:		
1 x 12V (180w) - Centre console; rear compartment		•
1 x USB charger - Centre console; front compartment		
Wireless mobile phone charging system <sup>3</sup> - Qi standard with cooling function; centre console, front compartment		•
REAR SEATS		
Centre armrest console controls, including:		
Rear outboard heated seats and rear window power sunshade		•
Rear Seat Entertainment controls & Genesis Integrated Controller		
Centre fold down armrest		•
Grip handles - Outer seating positions		•
Power outlet - 1 x USB charger - Centre armrest compartment		•
WINDOWS / SHADES		
Acoustic laminated windshield glass - Sound reducing		•
Acoustic laminated front door glass - Sound reducing		•
Acoustic laminated rear door glass - Sound reducing		•
Solar roof - Harnesses solar energy to help to charge battery pack and increase vehicle range		•
Power windows, variable up/down speed - One touch up/down and safety function		•
Convenience closing function with Smart Key remote - Side windows		•
Rear door window sunshades - Manual type		•
Rear window sunshade - Power type		•
Solar control glass		•
Sun visors - Extendable		•
DOORS / CARGO / BOOT		
Power Door Latch - Soft close doors		•
Power Boot - Open/Close & close+lock		•
Smart Boot function - Hands-free opening		•
VISION & SIGHT		AWD
INSTRUMENT CLUSTER / DRIVING DISPLAYS		
Instrument cluster, including:		
12.3" colour TFT-LCD full screen display		•
Digital instrumentation		
3D display function		
Utility (Trip Computer), Driving Assist & Turn By Turn view modes		
3 x display themes; Eco, Comfort & Sport		
Head-Up Display (HUD) - 12.0" colour image, including:		
Turn By Turn navigation information, with junction schematic		•
Traffic information - Map-based road signs		
Speedometer		
Cruise setting speed / Manual Speed Limit Assist (MSLA) information		
Genesis Active Safety Control information		
Warning lights		
Radio / Media information		
INTERIOR REAR VIEW MIRROR		
Frameless mirror		•
Electric Chromic Mirror (ECM) - Auto-dimming		•
EXTERIOR REAR VIEW MIRRORS		
Electric Chromic Mirrors (ECM) - Auto-dimming		•
Heated		•
Power adjustable		•
Power folding - With automatic function		•
VENTILATION & HEATING		AWD
CLIMATE CONTROL		
Fully Automatic Temperature Control (FATC), including:		
Touch type control panel, 6.0" colour display screen with haptic feedback		•
Dual zone front, plus single zone independent temperature control for rear		
Indirect ventilation function – 3D diffused air flow		
Auto Defog function		
Auto Dehumidify function		
Smart Ventilation function		
Cooling / heating vents - Rear centre console		
Cooling / heating ducts - Rear floor		
Micro cabin air filter - With activated carbon layer		
Separate mode control for driver / passenger air flow		
Auto Comfort Control - Auto activation of driver's heated / ventilated seat & heated steering wheel		
Rear control panel - With lock-out function		
Heat pump		
FRONT SEATS		
Heated seats, including:		
Seat Heater Balance - Adjustable seat base/backrest temperature ratio		•
Ventilated seats, including:		
Smart Seat Ventilation function - Ventilation speed linked to vehicle speed		•
REAR SEATS		
Heated seats, including:		
Heated seat base/backrest & bolsters - Outboard seats		•
OTHER FEATURES		
Heated rear window - With timer		•
Heated steering wheel		•
PTC Heater - Electric heater		•

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EXTERIOR STYLING	AWD
FRONT	
Front grille - Electrified unique Genesis 'Crest' grille, including: G-Matrix pattern insert	•
Front bumper: Electrified unique bumper with high-tech image	•
REAR	
Rear bumper: Floated chrome moulding Electrified unique rear bumper	•
Boot lid - Chrome upper trim insert	•
SIDE	
Door window frame trim; Chrome	•
Door handle inserts; Chrome	•
Lower door / lower front guard trim; Chrome	•
Front guard side trim; Chrome	•
Door frame & mirror base housing trim; Piano black	•
WHEELS	
19" Metallic grey, machine finished turbine design	•
INTERIOR STYLING	AWD
UPHOLSTERY / TRIM	
Bio processed Nappa Leather <sup>4</sup> appointed interior - With Premium quilted seat pattern	•
Genuine Leather <sup>4</sup> appointed steering wheel	•
Leather <sup>4</sup> appointed drivers airbag	•
Leather <sup>4</sup> appointed dashboard, door & centre console package with real stitching	•
Premium carpet floor mats	•
MATERIALS	
Alloy effect finish - Centre console inserts, dashboard & door inserts, door release handles and steering wheel trim	•
Open pore real wood - Dashboard, centre console, rear console & door insert trim	•
Suede - Headlining, rear shelf, pillars & sun visors	•
Stainless Steel: Door entry scuff plates - Brushed finish with Genesis lettering & G-Matrix pattern Door mid-range & tweeter speaker grille covers with G-Matrix pattern	•
Tempered Glass - Rotary gear shift control dial	•
LIGHTING	AWD
EXTERIOR LIGHTING - FRONT	
Headlight functions - Automatic dusk sensing with escort and welcome features	•
'Quad Lamp' Headlights - LED, including: Auto-levelling Low beam - LED High beam - LED Parking lights - LED Daytime Running Lights (DRL) - LED Turn signal lights - LED	•
EXTERIOR LIGHTING - REAR	
'Quad Lamp' Tail lights - LED including: Parking lights - LED Stop lights - LED Turn signal lights - LED	•
High mount stop light (HMSL) - LED	•
Reverse lights - LED	•
Licence plate lights - LED	•
EXTERIOR LIGHTING - SIDE	
'Quad Lamp' turn signal lights - LED; front guards	•
Welcome system, including: Courtesy lights - LED; front door handles Puddle lights with Genesis logo - LED; side mirrors	•
INTERIOR LIGHTING - FRONT	
Centre console - Front/Rear storage compartment lighting; LED	•
Foot well lights - LED	•
Glovebox compartment light - LED	•
Room lights including map lights with touch type operation - LED	•
Vanity mirror lights - LED	•
INTERIOR LIGHTING - REAR	
Room lights and map lights - LED; outboard	•
Centre armrest - Storage compartment lighting; LED	•
INTERIOR LIGHTING - LUGGAGE COMPARTMENT	
Boot / Luggage area lights - LED	•
INTERIOR LIGHTING - OTHERS	
Interior Ambient lighting - LED: dashboard, door pockets & gear shift rotary dial, including: Adjustable colours & brightness; 10 pre-set and up to 64 colour choices	•
Courtesy lights - All doors	•
Door release handle lights; LED	•
Fade-out delay - Interior lighting	•
STORAGE SOLUTIONS	AWD
FRONT SEATS	
Centre console, including: Armrest compartment with removable tray Centre compartment - Including cup holders - 2x Centre tray - Including Smart Key holder Front compartment - Including mobile phone holder	•
Glovebox compartment	•
Sunglasses compartment - Overhead console	•
Ticket holders - Sun visors	•
REAR SEATS	
Coat hooks - 4x	•
Cup holders - Centre armrest; 2x	•
Storage compartment - Centre armrest	•
Seatback pockets - Front seatback	•
LUGGAGE COMPARTMENT	
Luggage net	•
Luggage net anchor points - 4x	•
Side storage recess with net - 2x	•
Ski port / Rear-seat pass-through - Centre rear seat	•
Underfloor storage	•
DOORS	
Bottle holders	•
Map pockets	•
OTHER FEATURES	
Pen holder - Glovebox compartment	•
NOTES:	
^ Electronically limited 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. Wireless charging requires a Qi-enabled smartphone or adapter in order to operate 4. Finishes specified as leather may contain elements of genuine leather, polyurethane leather (leather substitute) or man-made materials, or a combination thereof	
KEY:	
• = Feature is standard on variant	
- = Feature is not available on variant	
O = Feature is optional on variant	
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