

# ELECTRIFIED G80

## SPECIFICATIONS



Overseas model shown

ELECTRIFIED G80	
ELECTRIC MOTORS	SIGNATURE
Motor type - Rear	Permanent Magnet Synchronous Motor (PMSM)
Motor type - Front	Permanent Magnet Synchronous Motor (PMSM)
Configuration	Rear + front mounted driving rear + front wheels
Maximum power - Rear motor / Front motor	136 / 136kW
Maximum torque - Rear motor / Front motor	350 / 350Nm
Maximum power - Total	272kW
Maximum torque - Total	700Nm
BATTERY	SIGNATURE
Battery type	Lithium-Ion
Capacity	94.5kWh
Output	307kW
Voltage	522.7V
ON-BOARD AC CHARGER	SIGNATURE
Charging capacity (maximum)	10.5kW
Standard charging time (10-100%)	Approx 13hr at 7kW
Charging port	Type 2 (IEC 62196-2 Type 2)
ON-BOARD DC FAST CHARGER	SIGNATURE
Charging capacity	350kW
Charger compatibility	400/800V
50 kW fast charging time (10 to 80%)	Approximately 84 minutes
350 kW ultra-fast charging time (10 to 80%)	Approximately 25 minutes
Charging port	CCS Combo2 (IEC 62196-3 Configuration FF)
PORTABLE EMERGENCY CHARGING CABLE	SIGNATURE
Type	In-cable control box (ICCB) with domestic 3-pin plug input
Output capacity (maximum)	230V, 10A
Charging plug	Type 2 (IEC 62196-2 Type 2)
Standard charging time (230V at maximum charging capacity - Up to 100%)	Approximately 38 hours 30 minutes
VEHICLE TO LOAD (V2L)	SIGNATURE
Output capacity (maximum)	250V, 3.6kW, 15A
Connector - Exterior	CCS Combo2 (IEC 62196-3 Configuration FF) 2-way adapter to domestic 3-pin plug output
TRANSMISSION	SIGNATURE
Reduction gear - Rear	Single speed reduction gear
Reduction gear - Front	Single speed reduction gear

GEAR RATIO	
Reduction gear - Rear	2.263
Reduction gear - Front	2.263
DRIVELINE	SIGNATURE
All Wheel Drive (AWD)	•
AWD Type	e-All Wheel Drive (e-AWD)
OTHER	
Under bonnet insulator	•
STEERING	SIGNATURE
Type	Variable Gear Ratio (VGR) rack & pinion with rack mounted Electric Power Steering (EPS) and Rear Wheel Steering System (RWS)
Overall Gear Ratio	11.97
Minimum turning circle diameter between kerbs / walls	11.32m
Number of steering wheel turns lock to lock	2.21
SUSPENSION	SIGNATURE
Front	Multi-link
Rear	Multi-link
Damping control system	Road Preview-Electronic Control Suspension (Preview-ECS)
BRAKES	SIGNATURE
System	Dual diagonal-split circuit, power assisted with Electronic Brake-force Distribution (EBD) and Electronic Stability Control (ESC) and active hydraulic booster (regenerative braking)
Booster	Integrated Electric Booster (IEB)
Front brake type	Ventilated discs with 4-piston Monobloc fixed calipers
Front disc dimensions	360mm x 34mm
Rear brake type	Ventilated discs with 1-piston floating calipers + caliper cover
Rear disc dimensions	360mm x 20mm
Front & rear brake caliper colour	White with Genesis word mark
WEIGHT	SIGNATURE
Tare Mass	2,445kg
Gross Vehicle Mass (GVM)	2,900kg
Permissible Axle Weight (PAW) - Front	1,400kg
Permissible Axle Weight (PAW) - Rear	1,600kg
Roof rail load limit	100kg
ENERGY CONSUMPTION*	SIGNATURE
Electric driving efficiency; Combined: Wh/km	181
kWh/100km	18.1
All Electric Range (AER)*	570 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	SIGNATURE
Maximum speed (km/h)	225
0 ~ 100 km/h (seconds)	5.1
80 ~ 120 km/h (seconds)	3.3
WHEELS & TYRES	SIGNATURE
Wheel type	Alloy
Wheel dimensions - Front / Rear	19 x 8.5J +43.5 / 19 x 9.5J +56
Tyre type	Michelin Pilot Sport 4
Tyre dimensions - Front / Rear	245/45 ZR19 / 275/40 ZR19
Spare wheel type	Tire Mobility Kit (TMK)
DIMENSIONS	SIGNATURE
EXTERIOR	
Length	5,135mm
Width (excluding exterior mirrors)	1,925mm

Height	1,480mm
Wheelbase	3,140mm
Wheel track - Front / Rear	1,630 / 1,636mm
Overhang - Front / Rear	850 / 1,145mm
Minimum ground clearance	144mm
INTERIOR	
Head room - Front / Rear	1,024 / 930mm
Leg room - Front / Rear	1,070 / 995mm
Shoulder room - Front / Rear	1,480 / 1,430mm
Cargo area - VDA	334L
ELECTRIC VEHICLE FUNCTIONS	SIGNATURE
EV vehicle functions display	•
Battery heating system - cold climate battery conditioning for DC charging and driving performance	•
iPedal mode - intelligent one pedal driving mode	•
Regenerative braking control - via paddle shifters	•
Smart regenerative braking mode 2.0 - traffic & navigation based	•
Trailer Mode - Automatic AER adjustment	•
Trailer Mode - HTRAC AWD drive torque distribution (AWD only)	•
Utility mode function - uses the high voltage battery to power vehicle electronics	•
Vehicle to Load (V2L) connection (inside) - domestic 3-pin plug output	•
ACTIVE SAFETY	SIGNATURE
ELECTRONIC STABILITY CONTROL (ESC) including;	
Anti-lock Braking System (ABS)	•
Brake Assist System (BAS)	•
Electronic Brake-force Distribution (EBD)	•
Hill-start Assist Control (HAC)	•
Multi Collision Brake (MCB)	•
Traction Control System (TCS)	•
Vehicle Stability Management (VSM)	•
GENESIS ACTIVE SAFETY CONTROL including;	
Blind-Spot Collision Avoidance-Assist - Rear/Side (BCA-R/S)	•
Blind-Spot View Monitor (BVM)	•
Driver Attention Warning (DAW), including:	
Forward Attention Warning (FAW); Gaze-on-the-road warning function - In Cabin Camera (ICC)	•
Hand On Detection (HOD)	
Leading Vehicle Departure Alert	
Forward Collision-Avoidance Assist (FCA), including:	
Car/Pedestrian/Cyclist detection (FCA - CAR/PED/CYC)	
Junction Turning/Junction Crossing function (FCA - JT/JC)	•
Lane-Change Oncoming/Lane-Change Side function (FCA - LO/LS)	
Evasive Steering Assist function (FCA w/ ESA)	
Highway Driving Assist (HDA) including; Distance control, Lane following control and Lane Change Assist Control	•
Intelligent Front-Lighting System (IFS) - Intelligent High Beam function (matrix)	•
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 - Reverse (PCA-R)	•
Pre-active Adjustment Safe-Seat (PAS) - Front passenger seat	•
Pre-active Seat Belt (PSB) - Front seats	•
Rear Cross-Traffic Collision Avoidance-Assist (RCCA)	•
Rear Occupant Alert (ROA) - Sensor 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	•
Drive Mode based function	
Overtaking Acceleration Assist function	
Surround View Monitor (SVM) including:	
3D Surround View function	•
Driving Rear-View Monitor (DRM) function - Rear view image on command	
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/Side/Reverse (PDW-F/S/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/Reverse functions	•
Tyre Pressure Monitoring System (TPMS) - Individual tyre readout	•
PASSIVE SAFETY	SIGNATURE
AIRBAGS - SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	
10 Airbags, including:	
Front airbags - Driver & passenger	
Front centre side airbag	
Knee airbag - Driver	•
Side (thorax & pelvis) airbags - Driver and front passenger	
Side (thorax) airbags - Rear outboard passengers	
Side curtain airbags	
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:	
Pre-tensioners with load limiters	•
Height adjustable upper mounts	
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:	
ISOFIX child restraint anchors - Rear outboard seats	•
Top tether child restraint anchors - Rear seats	
OTHER FEATURES	
First Aid kit	•
Hazard warning triangle	•
Roadside Assistance kit	•
SECURITY	SIGNATURE
SECURITY SYSTEM	
Auto door lock / unlock operation - User configurable	•
Engine immobiliser	•
Theft-Alarm System	•

REMOTES / KEYS	
Smart Key remote, with mechanical key - 2x	•
OTHER	
Capacitive touch front door handles - Lock / Unlock function	•
Fingerprint Authentication System - Fingerprint recognition for User Profile selection and vehicle start	•
GENESIS CONNECTED SERVICES (GCS)	SIGNATURE
GCS IN-VEHICLE FUNCTIONS	
Automatic Collision Notification (ACN)	•
Emergency Call (SOS) function	•
Connected routing for live traffic	•
Valet Mode function - Restricted access to personal information	•
Voice Recognition - Natural voice recognition, including; navigation, phone, climate control & vehicle functions	•
Calendar integration (Google, iCloud) <sup>5</sup> & vehicle diagnostics	•
GCS 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	•
GCS 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	•
OVER THE AIR (OTA) SOFTWARE UPDATE CAPABILITY	SIGNATURE
Over The Air (OTA) software update capability <sup>6</sup>	•
MULTIMEDIA SYSTEM	SIGNATURE
AUDIO / MEDIA SOURCES	
AM / FM / Digital Radio (DAB+)	•
Apple CarPlay <sup>1</sup> / Android Auto <sup>2</sup> compatibility	•
USB-C multimedia input	•
FUNCTIONS	
Bluetooth® Multi-Connection; 1 x phone/audio & 1 x audio	•
27" OLED ccIC display; Cluster and Navigation	•
Genesis Integrated Controller w/ handwriting recognition pad (design change)	•
Satellite navigation with Live Traffic updates via GCS and Augmented Reality (AR) navigation map mode	•
SPEAKERS / AMPLIFIER	
17 Speaker Bang & Olufsen premium audio system, including; Beosonic sound positioning options - Bright, Energetic, Warm and Relaxed Premium sound stage options - Reference and surround	•
OTHER FEATURES	
Active Noise Control - Road (ANC-R) - Noise cancelling function	•
Quiet Mode function - Audio volume limited in 1st row and muted in rear	•
DRIVING CONVENIENCE	SIGNATURE
Electronic Parking Brake (EPB) with 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) position	•
Rain sensing windscreen wipers - With auto control and integrated washer jets	•
Reverse parking aid function - Auto dip on reverse	•
Remote Start - Via Smart Key	•
Smart Key with push button start	•
Tilt & telescopic steering column - Power adjustable	•
Personalised User Profile selection - 3 custom profiles; Driver 1, Driver 2 & Guest	•

DRIVING ENGAGEMENT	SIGNATURE
Drive Mode - 6 settings; Eco, Comfort, Sport, 'My' custom mode, Snow & Chauffeur	•
Brake Mode - 3 settings; Comfort, Sport & Chauffeur	•
Road Preview Electronic Control Suspension (Preview-ECS) - 2 settings; Comfort & Sport	•
OCCUPANT COMFORT & CONVENIENCE	SIGNATURE
FRONT SEATS	
18-way power adjustable driver & passenger seat, 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 (driver only)	•
Capacitive touch seat switch function alert - Displayed in multimedia system screen (driver only)	
Easy Access function - Driver's seat & steering wheel, and front passenger seat	
Front passenger seat walk-in switch - Driver/rear passenger control for slide and recline	
Front passenger seat remote power adjust - Via Multimedia screen	
Ergo Motion function driver and passenger seat, including:	
Pelvic stretching, Lumbar stretching & Whole body stretching modes	•
Smart Posture Assist function	
Smart Support function	
3x power outlets including: 1 x 12V & 2 x USB-C	•
Wireless mobile phone charging system <sup>3</sup> - Qi standard with cooling function; centre console, front compartment	•
UV-C Sanitisation tray; centre console	•
REAR SEATS	
16-way power adjustable rear outboard seats, including:	
Intergrated Memory System (IMS), 2 positions	•
2-way backrest side bolster adjustment - Air cell type	
2-way calf support leg rest	
Centre armrest console controls, including:	
Rear outboard heated seats and rear window power sunshade	•
Rear Seat Entertainment controls & Genesis Integrated Controller (integrated controller design change)	
Wireless mobile phone charging system <sup>3</sup> - Qi standard with cooling function; rear centre armrest	•
2x USB-C power outlets	•
WINDOWS / SHADES	
Acoustic laminated glass - windshield, front and rear doors	•
Power windows, variable speed one touch up/down and safety function	•
Convenience closing function with Smart Key remote - Side windows	•
Power rear door and rear window sunshades	•
Solar control glass	•
Sun visors - Extendable	•
DOORS / CARGO / BOOT	
Power Door Latch - Soft close doors	•
Power charge flap - Open/close with Smart Key control	•
Rear Seat Easy Close System - Power assisted doors with full self closing	•
Smart Power Boot - Open/Close, close+lock and hands-free opening function	•
VISION & SIGHT	SIGNATURE
INSTRUMENT CLUSTER / DRIVING DISPLAYS	
Digital instrument cluster, including:	
27" colour OLED full screen display	•
Utility (Trip Computer), Driving Assist and Turn By Turn view modes	
Head-Up Display (HUD)	•

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	SIGNATURE
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	
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	
Heat pump	
Rear Fully Automatic Temperature Control (FATC), including;	•
Single zone rear temperature control with independent temp and airflow	
FRONT SEATS	
Heated seats, including seat Heater Balance - Adjustable seat base/backrest temperature rati	•
Ventilated seats	•
REAR SEATS	
Heated seats - Outboard seats	•
Ventilated Seats - Outboard seats	•
OTHER FEATURES	
Heated rear window	•
Heated steering wheel	•
EXTERIOR STYLING	SIGNATURE
FRONT	
Front grille - Electrified unique Genesis 'Gradient' grille, including:	
G-Matrix pattern insert with hidden intergrated charging door	•
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	•
INTERIOR STYLING	SIGNATURE
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, 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	SIGNATURE
EXTERIOR LIGHTING	
Headlight functions - Automatic dusk sensing with escort and welcome features	•
Welcome system including;	
Dynamic Welcome Lighting function - User configurable welcome lighting sequence	•
Courtesy lights - LED; front door handles	
Puddle lights with Genesis logo - LED; side mirrors	
Micro Lens Array (MLA) headlamps with Intelligent Front Lightin(IFS) - LED, including;	•
DRL, position and turn-signals	
Rear full LED lighting system	•
INTERIOR LIGHTING	
Fade out delay LED lighting including;	
Centre console, footwell lighting, glovebox compartment, room lights including map lights with touch operation and door release handles and cargo area	•
Adjustable LED Interior Ambient lighting	•
STORAGE SOLUTIONS	
1st Row seat area including;	
Centre console, armrest compartment with removable tray, cup holders, mobile phone holder, glovebox compartment, sunglasses compartment, ticket holders (sun visor), door bottle holders and door map pockets	•
2nd row area including;	
Coat hooks, cup holders in centre armrest, seatback pockets behind front seat, door bottle holders and door map pockets	•
Cargo are/ luggage compartment including;	
Retractable security screen, luggage net with anchor points, side storage recess with net (right hand side) and underfloor storage compartment	•

Key:

• = Feature included as standard on trim    – = Feature is not available on trim

Notes:

^ Electronically limited.

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.

5. Requires smartphone-app activation to operate.

6. Requires Genesis Connected Services activation to operate.