

Specifications: GM Chevrolet Sequel

General

Vehicle type:	all-wheel-drive crossover vehicle with fuel cell and by-wire technology
Chassis:	aluminum substructures
Body:	aluminum body / frame integral structure with aluminum panels and aluminum closures
Seating capacity:	4 or 5

Dimensions

Wheelbase (in / mm):	119.7 / 3040
Length (in / mm):	196.6 / 4994
Width (in / mm):	77.4 / 1966
Height (in / mm):	66.8 / 1697
Curb weight (lb / kg):	4774 / 2170

Fuel storage system

Type:	3 carbon composite high-pressure tanks for hydrogen mounted in the sandwich chassis
Service pressure (psi / bar):	10,000 / 700
Storage capacity (lb / kg):	17.6 / 8

Fuel cell power module

Power (kW):	73
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Battery system

Type:	lithium-ion high-power battery pack
Power (kW):	65

Electric traction system

Front system:	3-phase asynchronous electric motor with integrated power electronics and planetary gear
Power (kW):	65
Torque (lb-ft / Nm):	1740 / 2350
Gear ratio:	10.95:1
Rear system:	2 3-phase permanent magnet synchronous, direct drive, electric wheel hub motors
Power (kW):	2 times 25
Torque (lb-ft / Nm):	2 times 590/800
Gear ratio:	1:1
Total traction power (kW):	115
Total torque at wheels (lb-ft/Nm):	2920 / 3950

Performance

Acceleration 0-60 mph (sec):	< 10
Top speed (mph / km/h):	90 / 145
Operating range (miles / km):	300 / 480