Methanol hybrid. H3 NV200 is a multi purpose vehicle for up to five persons and is intended for both private and professional use. The vehicle is a reformed methanol fuel cell hybrid using a battery pack to power its electric motor to run the vehicle while the fuel cell continuously charges a battery. The methanol fuel is converted on-board into hydrogen and directly feed into the fuel cell which produces electrical power. H3 NV200 is based on a factory-built electric car already on the market and is aftermarket-rebuilt by Serenergy as a fuel cell hybrid.

Urban range extender. The fuel cell enables extended operation cycle under varying driving patterns compared to the normal all battery powered vehicle. This makes the vehicle perfect for urban and sub-urban operation as a normal car with combustion engine. The fuel cell caters both the average energy consumption of the vehicle and also supplies comfort heating for the cabin when needed.

- Reformed methanol fuel cell vehicle
- Zero particle emission
- No noise and vibrations
- 800km range with FC range extender
- 3min refueling
**Specifications**

### Engine & Drivetrain
- **Engine type**: Electric AC Synchronous motor
- **Drivetrain layout**: Front motor, front wheel drive
- **Transmission type**: Automatic
- **Max. engine power [kW/PS]**: 80/109
- **Max. torque [Nm]**: 254

### Performance (BEV)
- **Single charge range [km]**: 170 (NEDC)
- **Electricity consumption [Wh/km]**: 165
- **Top speed [km/h]**: 120
- **0-100km/h [s]**: 14
- **Normal charge (220V)**: 8 hrs (full charge)
- **Quick charge (400V)**: 30min (80% charge)

### Battery
- **Type**: Lithium-ion
- **Voltage [V]**: 360
- **Capacity [kWh]**: 24

### Fuel Cell
- **Max. power output [kW]**: 5
- **Net electric efficiency [%]**: 40 - 45
- **Fuel type**: 60% methanol/40% vol water
- **Fuel consumption [L/kW]**: 0,8 - 0,9

### Performance (Hybrid)
- **Range battery / FC [km] (urban)**: 550 / 800
- **Electricity consumption [Wh/km]**: 96
- **Mileage [km/L]**: 12,5
- **Top speed [km/h]**: 120
- **0-100km/h [s]**: 14
- **Fuel tank [L]**: 50 / 70
- **Fueling time**: 3min
- **Noise [dB]**: 58

### Weight & Dimensions
- **Minimum curb weight (Hybrid) [Kg]**: 1641 (1791)
- **Gross Vehicle Weight (PTW) [Kg]**: 2220
- **Overall length [mm]**: 4560
- **Overall width [mm]**: 2011
- **Overall height [mm]**: 1858

### Capacities
- **Seating capacity**: 5
- **Cargo space (2. row folded) [m3]**: 2,3 (3,3)

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SerEnergy supplies turnkey solutions in form of vehicle delivery, service and fuel supply.

Please contact us at sales@serenergy.com for more information, pricing and availability. SerEnergy A/S reserves the right to change specifications and descriptions without notice.

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1) In accordance with: EE 1999/99/EC, 2) UN/ECE Regulation 101.
3) Urban driving pattern.