


Internal layout

FC120 specifications

Basic Parameters	Model	FC120
	Fuel	Hydrogen
	LHD or RHD	RHD
	Passenger Capacity	1 Driver / 41 or 45 Pax
	Dimension (L*W*H, mm)	12500 × 2500 × 3520
	GVM (kg)	18,000
	Tare (kg)	14,000 (tbc)
	Approach/Departure angle (degrees)	TBA
	Min. Turning Diameter (m)	TBA
	Max. Grade (% , 1 min)	25%
	Continuous Max. Grade (%)	18%
	Top Speed (km/h)	100
Range	≥600km	



FC120 specifications continued

	Description	Standard	Component Brand
Power System	Traction Battery	58 kWh	✓ CATL
	Hydrogen Fuel Cell	110kW	✓ Ballard
	Drive Motor	TM4	✓ Dana
	Controller	TM4	✓ Dana
	Hydrogen Tanks	350BAR (700BAR optional) 8x193L – 37.5kg	✓ Hexagon
	Air Compressor	Electronic air compressor	✓ E-Piston
	Steering Pump	Electric steering pump	✓
Chassis	Suspension	Air suspension	✓ ZF
	ECAS	WABCO	✓ WABCO
	Front Axle (1)	Disc brake – Steer axle	✓ ZF
	Rear Axle (2)	Disc brake – Drive axle	✓ ZF
	Rear Axle (3)	Disc brake – Drive axle	✓ NA
	Tire	295/80R22.5	✓ Michelin
	Rim	22.5x8.25 (alloy)	✓
	Steering System	Electric - Hydraulic power steering	✓
	Braking system	WABCO EBS braking system	✓ WABCO
Safety and Electrics	ADAS	Lane departure warning system	Optional Mobileye
	Dashboard	ACTIA	✓ ACTIA
	Camera System	Reversing cameras and buzzer	✓ Included
	Exterior Lamps	Hella	✓ Hella
	LV Battery	24V maintenance free	✓
	A/C	Cooling and heating A/C	✓ Valeo
	Floor heater	Driver / Passenger area heating	Optional
	Fire Extinguisher	HV compartment	Optional Firestorm / Kline
	Demister	PTC heater	✓ Valeo
	Body	Body Structure	Monocoque structure, imported stainless steel
Body Style		City Bus – New Energy style	✓
Wheelchair Ramp		Flip out ramp	✓
Side Window		Tempered glass	✓
Floor		Vinyl	✓ Gerflor
Destination Sign		Front and side standard	✓
Rear-view Mirror		Camera mirrors	Optional
Front Service Door		Inward Glider	✓ Ventura
Middle Service Door		Rapid Slider	✓ Ventura
Driver Seat		Air ride driver's seat with seatbelt	✓ ISRI
Passenger Seat		Standard fixed seat	✓ Fainsa
USB ports		In dash	Optional USB ports
Wiper		Dual Arm Wiper	✓ Doga
Bell Press System		Wireless Bell Press System	✓ BMAC
Hand poles		Powder coated Hand poles	✓

