

FALCON



Prototype shown, European specification, on closed course

2025 Falcon xB1

ULTRA LIGHT TRANSPORT VEHICLE



Rev.1.4



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2025 Falcon xB1

Showcasing a modern, electric take on the classic microbus design

With an effective performance range and versatility, the xB1 is a capable urban transportation vehicle.

As urban transportation needs continue to evolve, electric microbuses are playing an increasingly important role in creating more efficient, environmentally friendly, and accessible public transportation systems.



The interiors of electric vehicles are continuously evolving with advancements in technology and design, Falcon xB1 is equipped with modern and future-oriented features that enables the vehicle to continuously evolve during its lifetime

Minimalist Design: Falcon xB1 feature minimalist interior designs with clean lines and uncluttered spaces. The absence of a traditional internal combustion engine allows for more creative interior layouts.

AI Integration: Artificial intelligence (AI) is integrated into Falcon Vehicles interiors to provide personalized driving experiences. AI systems learns driver preferences, adjust settings, and offer proactive suggestions. ++





xB1

Large Infotainment Screens:

xB1 equipped with large touchscreens that serve as the central hub for infotainment, navigation, and vehicle controls.

Advanced Connectivity:

Advanced connectivity features, including smartphone integration, OTA updates, and the ability to control certain vehicle functions remotely through dedicated apps.

Spacious Interiors:

The absence of a traditional engine compartment in electric vehicles resulted in a more spacious interior. This led to creative seating arrangements.

Biometric Sensors:

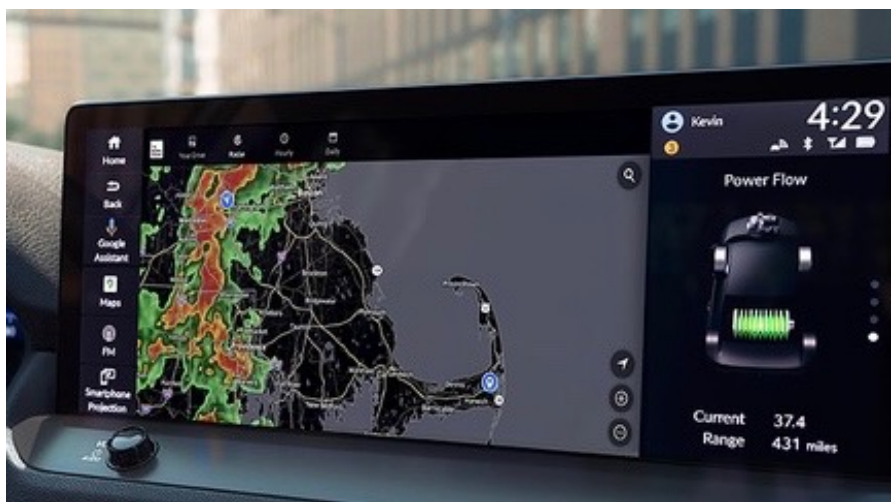
Biometric sensors, such as facial recognition or fingerprint scanning, can be used for vehicle access, personalization of settings, and enhanced security features.



Connectivity



Advanced Connectivity: Falcon xB1 offer advanced connectivity features, including smartphone integration, over-the-air software updates, and the ability to control certain vehicle functions remotely through dedicated apps. ++

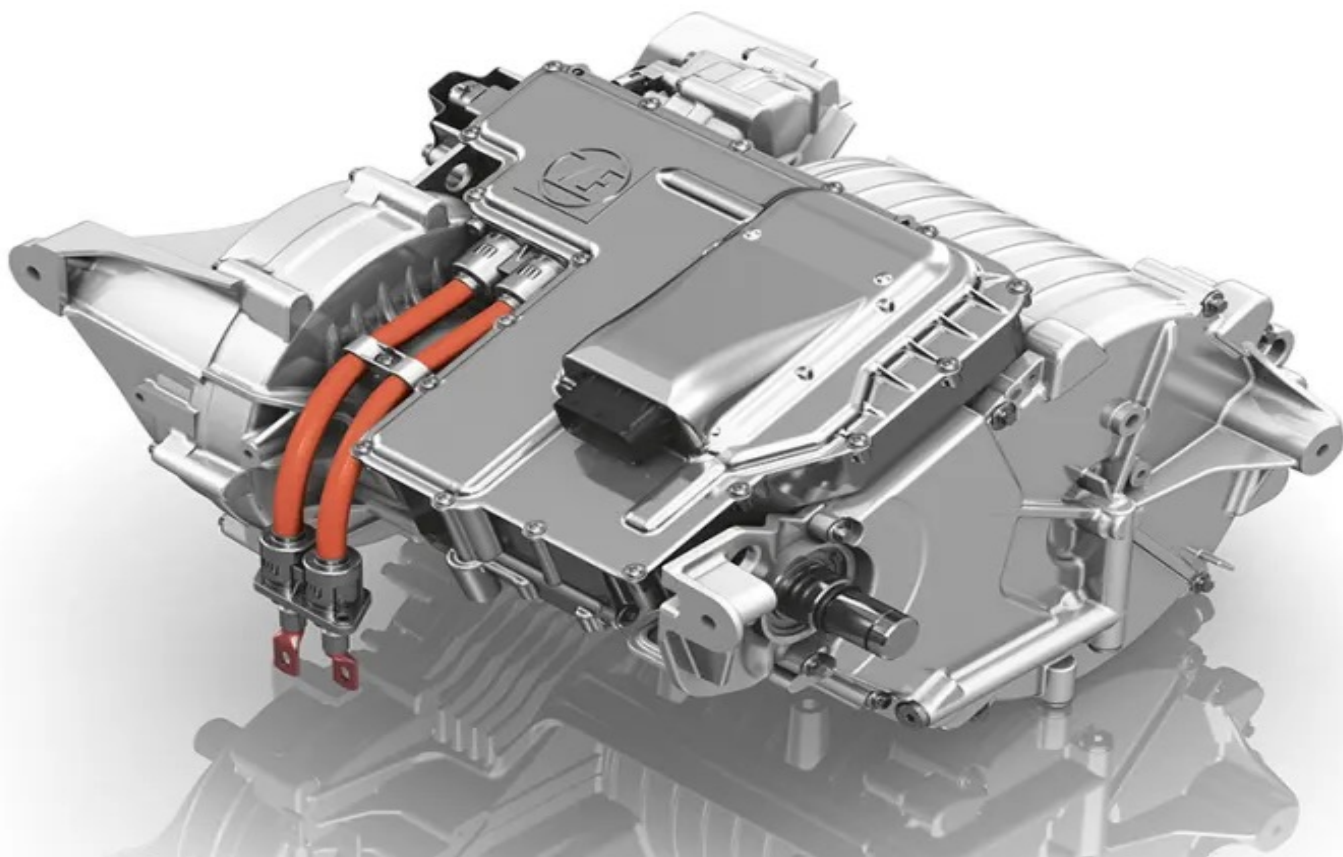


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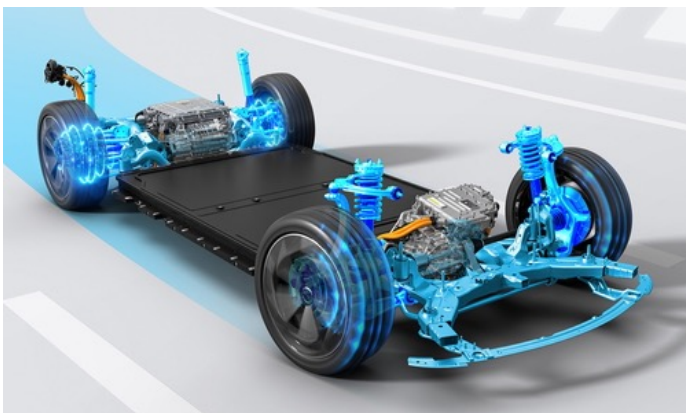


FALCON motors corporation

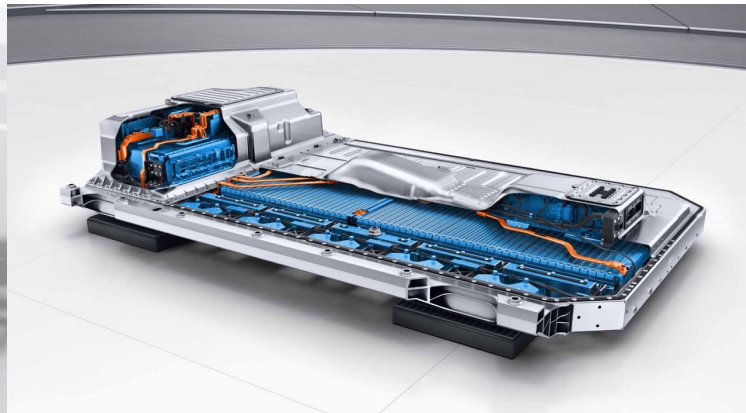


Asynchronous three-phase AC motors

xB1



Advanced integrated aluminum and carbon-fiber unified vehicle platform



Prismatic high performance stable battery pack



Falcon xB1 in urban cities:

1-Public Transportation: xB1 are employed in public transportation systems to serve routes with high passenger demand in urban areas. Often used for point-to-point services and transit hubs.

2-Last-Mile Connectivity: xB1 play a crucial role in providing last-mile connectivity, filling the gap between major transit stations and final destinations.

3-Shuttle Services: xB1 are utilized for shuttle services, such as transporting people between business districts and residential areas. These reduces the reliance on private vehicles for short trips.

4-Tourism: In urban areas with high tourism traffic, electric microbuses are used as a sustainable alternative for moving visitors around destinations.

5-Ride-Sharing and On-Demand Services: Falcon xB1 can be integrated into on-demand ride-sharing platforms.

6-Environmental Benefits: By replacing traditional combustion engine vehicles with electric microbuses, cities can contribute to lowering air pollution and reducing noise levels, creating an economic benefit and a sustainable urban environment.



As urban transportation needs continue to evolve, electric microbuses are playing an increasingly important role in creating more efficient, environmentally friendly, and accessible public transportation systems.

Urban areas are implementing government initiatives and policies to encourage the adoption of electric microbuses. This may include incentives for operators, subsidies, or restrictions on the use of traditional fossil fuel-powered vehicles in certain zones.

2025 Specifications:

Item	Value	Standard	package	Region
Type	Urban Transport Vehicle	S		ALL
Seating	Configurable, standard 4	S		ALL
Drive System	Dual electric Motor 4 wheel drive with IC Range Extending option		O	ALL
Suspension Type	All terrain off-Road tuned		O	ALL
Front Suspension	Double Wishbone	S		ALL
Rear Suspension	Multi link independent suspension		O	ALL
Motor	asynchronous three-phase AC motors	S		ALL
Power	220 hp @ 4800 rpm / Torque 340 ft lb dual motor		O	ALL
Voltage	420V	S		ALL
Battery technology	Prismatic Lithium Battery pack	S		ALL
Standard Electric Range	190 km / 330 km with REX system		O	ALL
Range Extending system	Gasoline 2 cylinder IC motor generator directly coupled		O	Mena / Asia / CH
Range Extending Fuel type	Gasoline min. 91 Octane		O	Mena / Asia / CH
Range Extending Fuel capacity	11 Liters		O	Mena / Asia / CH
Load Capacity	385 kg	S		ALL
Length x Width x Height	4450mm x 1956mm x 2050mm	S		ALL
Standard Curb Weight	1150 kg	S		ALL
Top Speed	145 km (electronically limited)	S		



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2025 Colors:

Desert Silver (Z8B-C1)



Azora (Z8B-C2)



Chrome Black (Z8B-C3)



Rose Red (Z8B-C4)

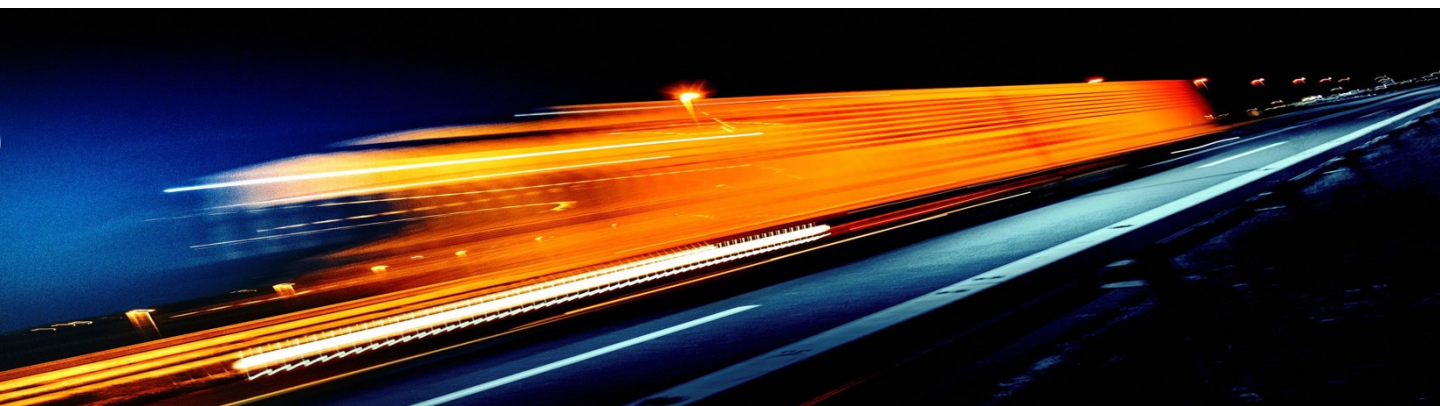


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2025 PACKAGES & OPTIONS:

PACKAGE	CONTENT	PACKAGE	CONTENT
Hot Climate package (Z8bX1)	High capacity Engine cooler	Medical Support 1 (Z8bMS1)	Static Stretcher single Patient
\$800	High Capacity Electric motor cooler	NOT Available on xB1	Interior extended ultra bright lights
	High Capacity HV Electric Battery cooler		Red Interior light for dark operations
	High Capacity Air conditioning		Fully blocked rear windows
	Increased interior insulation panel		Mobile defibrillator
B-Medical systems specific	Customer Refrigerator external ventilation		Vital Sign Patient monitor with remote front screen
	accelerated interior dehumidification		Extra Power ports for Radios / computers / a/c.
	built in sun shades (Windshield / side glass)		Emergency lights package
	Dual A/C units		Extended Rear Bumper
	WindShield UV protection coating		External work roof lights
	Exhaust manifold electric blower fans		
Cold Climate Package (Z8bY2)	Heats Windshield	Extended Mobility (Z8bT1)	Requires F3M1 package
\$800	Heated Mirrors	NOT Available on xB1	Front skid plate
	Rapid supplemental heat		Secondary Battery skid plate
	FRF Battery heating technology		Front Winch
	Grill vent louvers		Side Roof Work lights
	Increased interior insulation panel		Extended ground clearance
	Rear independent heater		
	Heated 360 cameras (if equipped)		
	Electronics warming elements		
	Defogging clusters and screens	Connectivity Package (Z8bC1)	in Vehicle WIFI
	Heated Seats	\$600	Telematics data
	Available plug for heated stretcher		Remote access
	Heated Steering Wheel		*Requires cellular network service*
	Roadside safety Package		
Increased Weight Package (Z8bM1)	Large capacity suspension	Connectivity Package 2 (Z8bC2)	F3C1 package standard
NOT Available on xB1	Increased Wheel hub capacity	NOT Available on xB1	StarLink global internet service
	4 piston large front brake calipers		Extended wifi service in the vicinity of the Vehicle
	Large ventilated Brake rotors		*Requires StarLink subscription*
	Reinforced carbon fiber Core frame		
	Increased tire load capacity		
Safety & Aid Package 1 (Z8bFA1)	Lane departure Warning	Security Package 1 (Z8bA1)	LEVEL III partial Ballistic Protection
\$200	Front collision protection	NOT Available on xB1	Armored Driver & Passenger Door (LVL III)
Requires Z8bC1	360 cameras		Driver and Passenger Door window (LVL IIIA)
	Parking sensors		Armored frontal Firewall
	Remote locking and unlocking		Armored Forward Bulkhead
			Shielded main vehicle electronics
			Requires F3M1
			windscreen is not protected
			Vehicle systems are not protect with F3A1
			No over Lapping Protection



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Prototype rendering shown, European specification

