



# SWITCH E i V12

LOW FLOOR ELECTRIC CITY BUS





# Next generation eBus

Introducing the SWITCH Eiv12 Low floor bus, a cutting-edge Electric Bus redefining urban transportation. Built on Innovation, Technology, and Passenger Comfort, it blends advanced engineering with smart features for seamless travel. Its design ensures energy efficiency and sustainability, while state-of-the-art technology guarantees superior performance and reliability. Thoughtful engineering & styling elements provides an exceptional ride comfort to the passengers. Experience modern transit with the SWITCH Eiv12 Low floor — where mobility meets innovation, comfort and sustainability.





## Innovation & Technology

The Switch EiV12 Low floor exemplifies innovation and technology through its indigenous design, modular architecture, and advanced connectivity features. Built entirely in India, it offers scalable battery capacities, the highest seating capacity, and adaptable configurations for diverse applications. Its connected ecosystem includes ITMS, real-time vehicle monitoring, and fast plug-in charging. Safety is prioritized with rigorously testing of vehicle, multi-level battery protection, fire detection & suppression system, CCTV cameras, and automatic passenger counting, setting a new standard for electric mobility.



# Passenger Comfort

The Switch EiV12 prioritizes passenger comfort with low-floor entry along with kneeling & tilting mechanism to lower the floor further for passenger entry. The bus is equipped with power operated wheelchair ramp for easy & fast boarding of wheelchair passengers. Large glass area on the bus gives a high visibility with natural light & an enjoyable panoramic view of the city & surroundings. Along with provision of wide doors & a spacious gangway, the bus gives a high roominess & spacious feel to the passengers. A uniform seating layout in the rear ensures improved air circulation throughout the cabin & a pleasant ride till the last row of seats. These thoughtful design elements make urban travel truly comfortable and convenient.





## Innovation

- **Indigenous EV Bus** : Fully Designed, Developed, and Manufactured in India.
- **Floor-Mounted Battery**: India's first low-floor city bus with fully floor mounted batteries with battery capacity >400 kWh, offering a 20% lower center of gravity for excellent vehicle stability, road grip, and ride comfort.
- **Highest Seating Capacity**: Best-in-class seating capacity in the segment with 39 seats + wheelchair parking.
- **Charging Ports in Rear Panel**: Charging port in the rear face of the bus, for easy & fast plugging of charging cable. No cable bending fatigue, saves time in bus parking & allows for depot space management.

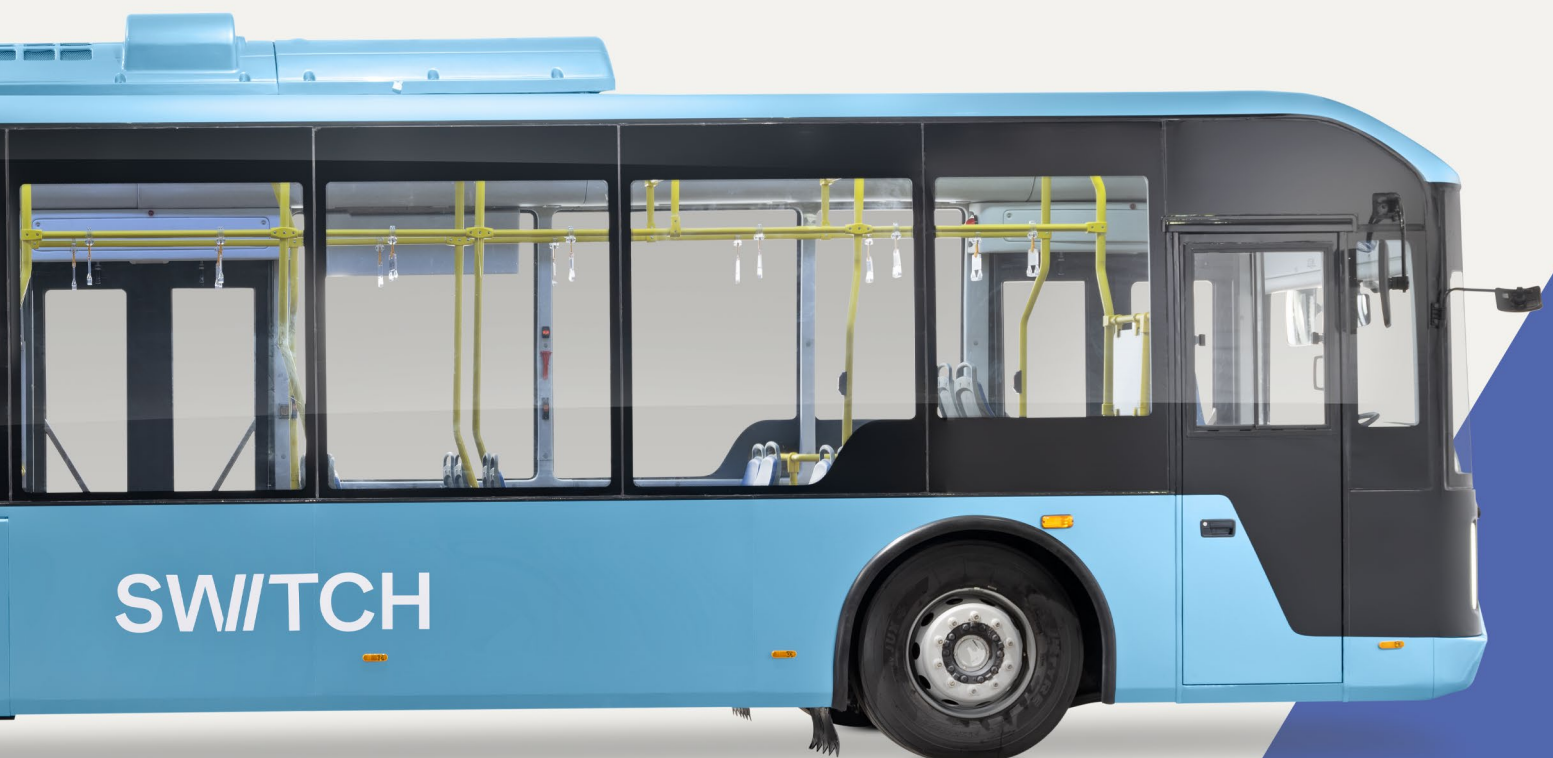






## Technology

- **Connected** : Our ITMS delivers real-time fleet tracking, & health monitoring. It supports in fleet management, route scheduling & also driver performance training, enabling efficient and seamless operations for high uptime.
- **Charging** : Equipped with dual-gun CCS2 charger, our system ensures full charging in under two hours. Integrated charge control unit ensures safety during charging operation.
- **Safety** : Advanced safety features include FDSS, multi-level battery protection, CCTV cameras for complete bus monitoring, and Automatic Passenger Counting System (APC) for overload tracking, ensuring complete safety to passengers.





### Passenger Comfort

- **Low Floor Entry with Kneeling:** Enables ease & fast passenger ingress-egress for all passengers. Power operated wheelchair ramp allow for wheelchair entry without manual intervention.
- **Spacious Feel:** Large glass windows with wide doors, wide gangway gives a high roominess & spacious feel in the bus.
- **Panoramic View of City:** Bus with 60% glass area provide high visibility, bright & pleasant interiors & a panoramic view of the city & surroundings for an exciting travel experience.
- **Uniform Rear Seat Layout:** Improves air circulation within cabin & provides comfortable seating till the last row of seats.



## Technical Specification

<b>Product</b>	<b>EiV12 - Low Floor</b>
Application	Intracity / Tarmac / Staff
Length (mm)	12000
Width (mm)	2550
Height (mm)	3500
Wheelbase (mm)	6320
Floor Height (mm)	400
Seating Capacity	39+D+Wheelchair
Tyres	295/80 R22.5
Motor	Permanent Magnet Synchronous AC Motor, Max Power: 235 kW; Continuous Power: 140 kW
Battery Technology	Advanced Li-ion chemistry
Suspension	Front & Rear Air Suspension with Kneeling Mechanism
Brakes	Disc at Front; Drum at Rear
Range per charge*	314 km
Charging System	DC Fast Charging, CCS-2
Charge Time	<2 Hours

\*As per CMVR standard test conditions. All above mentioned features are subject to customer preferences and choice.

**SWITCH**  
Move Better

**Corporate Office**

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