

Technical Specification		
Product	EiV 12 - Ultra low entry	EiV 12 - Standard
Application	Intra-City / Tarmac / Staff	Inter-City / Intra-city / Staff / School
Motor	Permanent Magnet Synchronous AC Motor; 235kW Peak, 140kW Continuous; 3100 Nm Peak	Permanent Magnet Synchronous AC Motor; 235kW Peak, 140kW Continuous; 3100 Nm Peak
Battery technology	Advanced Lithium-Ion NMC chemistry with Modular battery options	Advanced Lithium-Ion NMC chemistry with Modular battery options
Suspension	Full Air Suspension	Full Air Suspension
Brakes	Disc Brakes at Front & Drum at Rear	Disc Brakes at Front & Drum at Rear
Door Locations	FOH / WB	FOH / WB / ROH / BRT
Range	300kms with single charge and up to 500kms/day with dual gun charging	300kms with single charge and up to 500kms/day with dual gun charging
Charging Time	1.5 – 3 hours	1.5 – 3 hours
Floor Height (mm)	400	900
Height (mm)	3180	3350
Length (mm)	12000	12000
Width (mm)	2600	2600
Wheel Base (mm)	6320	6200
Seating Capacity	35+D+WC (Customizable)	40 - 61 + D (Customizable)

Specifications are subject to change. Certification work in progress. *All above mentioned features are subject to customer preferences and choice

SWITCH
Move Better

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EiV12

Next generation eBus

SWITCH EiV 12 is our first fully electric bus specifically designed for the Indian market. This next-generation eBus, features customer-centric offerings on technology and passenger comfort, while being contemporary and futuristic.

SWITCH EiV 12 delivers exceptional drive performance and efficiency, and is embedded with proprietary, connected technology solutions, 'SWITCH iON', enabling remote, real-time diagnostics and monitoring services, as well as world-class digital battery management tools.

Superior efficiency with long battery life

The SWITCH EiV range of buses have been uniquely configured to meet customer requirements of varied applications like intra-city, inter-city, staff, school and tarmac, offering maximum passenger capacity and comfort. The buses are also equipped with a new generation of highly efficient, modular batteries with advanced NMC chemistry, specially formulated for the Indian market and climatic conditions.



Advanced technology

- + SWITCH iON delivers more than 100+ embedded connectivity features for authorities and operators to analyse and improve efficiency
- + Vehicle controlled software to deliver range improvements of up to 20%
- + Latest safety features including Fire Detection & suppression system and Fire Detection & Alarm System



Battery technology

- + Advanced NMC technology providing higher energy density
- + Advanced cycle life and unique double gun charging up to 240kW leading to <1 hour of DC fast charging
- + Modular battery packs providing a range of up to 500km per day



High performance

- + Proven performance with uptime of over 98%
- + Improved drivability is delivered by permanent magnet synchronous motor
- + Lifetime product care through Switch's dedicated service teams



Passenger-focused environment

- + Latest air conditioning system and air purifiers to deliver a comfortable environment in all conditions
- + Interior features such as USB charging, WiFi, reading lights and comfort seats with a recliner function ensure customers travel in comfort
- + Ultra-low floor option enables easy ingress and egress for all occupants