



**THE DIFFERENCE  
IS IN THE DETAIL**

# CITIRIDER E

**Offering the longest range from all Zero Emissions urban buses currently available**

BCI presents in Australia their new Zero Emissions Citirider E on a low floor urban application, providing a safe, convenient, comfortable and environmentally friendly experience, reducing noise and exhaust emissions and making a significant contribution to delivering the governments' commitment on greenhouse gases reduction and air quality improvement.

## APPLICATIONS

City bus, community group



## TECHNICAL SPECIFICATIONS

<b>Dimensions</b>	12490 length x 2495 width x 3400 height (mm)
<b>Engine</b>	Electric propulsion ECE 85 350 kW @ 3500 Nm
<b>GVM</b>	18,000 kg
<b>Battery (ESS) Capacity</b>	ECE 100.2 403 kWh 589 V
<b>Driving Range</b>	up to 350 km in urban conditions
<b>Charging Time</b>	3.5 hours (120 kW charger)
<b>Maximum Speed</b>	95 km/h
<b>Suspension</b>	ZF Air Suspension with ECAS
<b>Brakes</b>	Wabco ABS, ESC, EBS3, disc brakes
<b>Body &amp; Chassis Frame</b>	4003 Stainless steel
<b>Number of Seats</b>	45 metro seats & 20 standees
<b>Storage Capacity</b>	Wheel-arch storage





As part of BCI's bet on technology and innovation, we can offer with the BCI Citirider E new powertrain technologies as well as superior customer comfort, amenity features, ancillary customer and driver enhancement, with no exhaust emissions, reduced internal and external noise, more comfortable ride due to smooth acceleration and deceleration and lower ongoing maintenance requirements.

This new technology BCI bus will require charging stations to recharge their battery packs, ideally reducing the number of stations through a charging distribution station that could be used simultaneously by multiple buses at the same fleet depot and choosing the cheaper cost-energy timeframes to optimize costs.

BCI is ready to assist operators to navigate the range limitations due to battery capacity constraints, the higher up-front acquisition costs, charging infrastructure availability, battery durability and life cycle management, to ensure the ownership experience and performance of the BCI Citirider E excels our customers' expectations.

BCI is committed to provide Zero Emission buses with proven reliable technology in battery and electric drive. By far the most significant technological challenges are associated with the main energy storage system (battery packs) on the bus. Safety is our highest priority. Other key factors in battery selection are power density, life expectancy and cost.

BCI is sourcing batteries from one of the world's largest manufacturers of electric vehicles (EV) with a great safety record. Battery life expectancy is 8 years for our BCI Citirider E application.

#### MAIN ENERGY STORAGE SYSTEM

- Battery chemistry type LFP
- Capacity 403 kWh
- Nominal voltage 589 V



#### CHARGING SOCKET

- Type: CCS AC/DC type 2 (IEC 62196)



#### PROPULSION MOTOR

##### Type: Permanent Magnet Synchronous Motor

Rated continuous power	195 kW
Peak power output	350 kW
Rated continuous torque	2060 Nm
Peak torque	3500 Nm
Degree of protection	IP 6K9K