

ELECTRIC



CE Series - Electric

IC BUS CE SERIES ELECTRIC

- ▶ Designed to give customers a zero-emissions, fully operational electric school bus option while lowering the total cost of ownership and offering user-friendly options and features
- ▶ CE Series Electric bus incorporates an electric drivetrain that is quiet, does not produce any emissions and can be built to address school bus customer's specific requirements
- ▶ Range of the CE Series Electric can exceed 120 miles while the powertrain can deliver up to 250 kW (335 horsepower)

SPECIFICATIONS:

MODEL

- ▶ CE Series Electric

BATTERY RANGE

- ▶ 70 - 200+ miles*

POWERTRAIN BATTERIES

- ▶ 105 kWh - 315 kWh

CHARGING

- ▶ AC Level 1 & 2
- ▶ DC Fast Charging with a standard J1772 CCS1 port

MOTOR

- ▶ Heavy Duty Permanent Magnet Motor System

PEAK POWER

- ▶ 250 kW (335 hp)

CONTINUOUS POWER

- ▶ 160 kW (215 hp)

PEAK TORQUE

- ▶ 15,700 nM (11,579 ft-lbs)

VEHICLE TO GRID

- ▶ Bus is V2G capable



Learn more at
www.icbus.com/electric

* Battery range pending route testing, heater/air conditioning usage and certification testing

10 Things to Consider Before Purchasing an Electric School Bus:



- 1. Infrastructure installation timing:**
It could take 6 to 12 months to get electric charging infrastructure installed at your facility.
- 2. Parking layout:**
Does your bus parking lot have the appropriate layout to accommodate charging of an electric bus for several hours or overnight?
- 3. Route selection:**
Do you have school bus routes that fit within the estimated range of the electric bus you are considering? Remember that published ranges are maximum ranges and you will likely achieve less than this in operation. Factors such as terrain, HVAC usage and traffic conditions on a route could greatly impact what range is possible.
- 4. Grant funding:**
Be sure to utilize consulting resources to help you navigate the process of applying for electric school bus grant funding.
- 5. Driver training:**
Driving an electric school bus is very different than buses with other powertrains. Driver training is essential in achieving proper vehicle performance and expected mileage range. Drivers should also be trained on new pre/post-inspection and charging procedures.
- 6. Technician training:**
It is very important that your technicians are ready to work on electric school buses safely.
- 7. Long-term fleet plan:**
What are the long-term goals for your fleet make-up? Do you want to have only one fuel type or a mix?
- 8. Charging stations:**
How much time you will have to charge a bus could dictate what type of charging equipment you need to purchase.
- 9. Acquisition cost:**
Since batteries are the major driving cost for an electric bus, think about balancing your range needs with cost when selecting what bus to purchase. For example, if you can charge the bus in the middle of the day between routes you may be able to save money and purchase a bus with lower mileage range and still meet your needs.
- 10. Phase-in approach:**
An electric school bus will not be able to immediately replace every school bus in your fleet. You, therefore, may be most successful with incorporating electric buses into your fleet if you introduce them slowly versus with large quantities at a time.



www.ICBus.com

Note: The information and conclusions contained herein are believed to be correct at time of publication, but do not necessarily apply to similar vehicles with different specifications or with production dates after the production of this publication. Vehicles with different specifications or later dates of production may yield different results. Vehicle specifications are subject to change without notice.

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