



# GILLIG

## 35' BATTERY ELECTRIC BUS

### VEHICLE CONFIGURATION

Charge forward confidently into a greener future with GILLIG's zero-emission Battery Electric Bus. Boasting the highest Altoona score ever achieved by a zero-emission bus, the GILLIG Battery Electric Bus sets the standard of excellence, proving that there's no need to sacrifice fleet quality, reliability, or safety for the sake of sustainability.



#### MAXIMIZE RANGE, MINIMIZE DOWNTIME

The high-efficiency, maintenance-free motor combined with on-board energy storage of up to 686kWh, optimizes your range and drastically reduces downtime.



#### AVAILABILITY MEETS SUSTAINABILITY

With 79% less downtime in Altoona tests versus competitors, and engineered to excel across all climates, duty cycles, and charging options, experience unmatched reliability and readiness all with zero emissions.



#### FLEXIBILITY TO FIT EVERY FLEET

Choose the on-board battery storage and charging technology options that fit your fleet's needs, while ensuring your bus is weather ready even in the most extreme climates with our optional cold weather features.



#### PROVEN PLATFORM: TODAY & TOMORROW

Built on our trusted Low Floor platform, seamlessly integrate new environmentally friendly technology while preserving operator and mechanic familiarity and confidence.



#### SAFE & SUSTAINABLE

With best-in-class braking performance and state-of-the-art battery safety mechanisms, your community will enjoy a safe, zero-emission future.



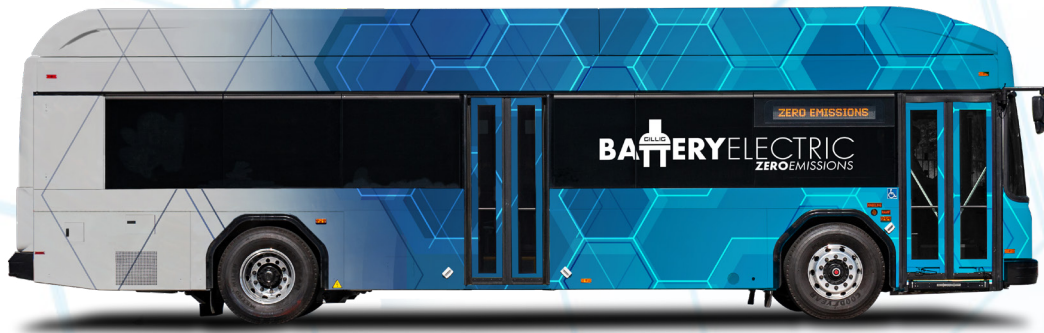
#### THE SMART CHOICE

Benefit from smart energy management, ride stability, and thermal management systems for an optimized zero-emissions performance, extended battery life, and a premium and comfortable ride.

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## 35' BATTERY ELECTRIC BUS

### VEHICLE CONFIGURATION



#### VEHICLE SPECIFICATIONS

<b>Bus Length</b>	35'
<b>Energy Capacity Options</b>	490 kWh, 588 kWh
<b>Motor</b>	Direct Drive, Permanent Magnet
<b>Passenger Capacity (Seated/Total)*</b>	31/62
<b>Gross Vehicle Weight Rating</b>	47,180 lbs
<b>Maximum Height</b>	135"
<b>Peak Power (30s) Rated Power (Continuous)</b>	350 kW 3500 N-m 195 kW 2060 N-m

#### CHARGING SOLUTIONS

<b>Supported Charging Technology</b>	Plug-in, DC Fast Charging, Overhead Charging
<b>Standard</b>	Curb Side Rear DC Charge Port
<b>Options</b>	Street Side Front DC Charge Port, Street Side Rear DC Charge Port, Overhead Rails

\*Subject to seating configurations and option selections

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## 35' BATTERY ELECTRIC BUS

### VEHICLE CONFIGURATION

Our Battery Electric Bus represents the culmination of years of hard work and innovation to bring the best-in-class bus to market. Offering a smooth ride and quiet acceleration, our bus enhances the customer experience while providing sustainable public transportation. Based on our proven Low Floor platform, every GILLIG Battery Electric bus is designed, built, and supported in the same facility by the same team that you've come to know and trust. As such, we can ensure parts, training, maintenance, and operations commonality with existing GILLIG fleets for seamless integration. The stainless-steel chassis and aluminum body create a lightweight, high-strength bus, while the integrated crash barrier protects riders from side impacts during a collision. In addition, Altoona testing has proven our buses to be the safest, highest quality, and most reliable bus on the market. To date we have sold over 895 Battery Electric Buses and delivered over 370 Battery Electric Buses to 101 agency's all over the country.

In developing our all-electric powertrain, GILLIG performed an exhaustive search for systems and components that maximize performance, durability, reliability, and cost effectiveness. Additionally, we sought a partner who could provide world-class aftermarket service, support, and training for the new powertrain. We are proud to partner with Cummins Inc. on the electrified powertrain based on their extensive experience with U.S. transit operations, their vast support infrastructure, and their cross-industry focus on developing efficient, reliable, and cost-effective components.

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PARTNERS YOU CAN TRUST.

Our zero-emission battery electric transit bus has an all-electric drive system with a single chassis-mounted traction motor powered by on-board high-voltage batteries. The high voltage energy storage system consists of high-voltage battery packs connected in parallel to the high-voltage junction box. This provides power for the traction motor inverter, which in turn supplies power to the traction motor and to high-voltage DC powered accessories.

The modular high-voltage battery system allows for various capacity configurations, with battery-mounting locations on the roof, in the rear powertrain compartment, and on the chassis. Depending on customer specifications, battery capacity can provide a full day of driving range on a single charge. Alternatively, high-voltage battery configurations can be set up to use opportunity charging to allow for lower capacity, cost, and weight.

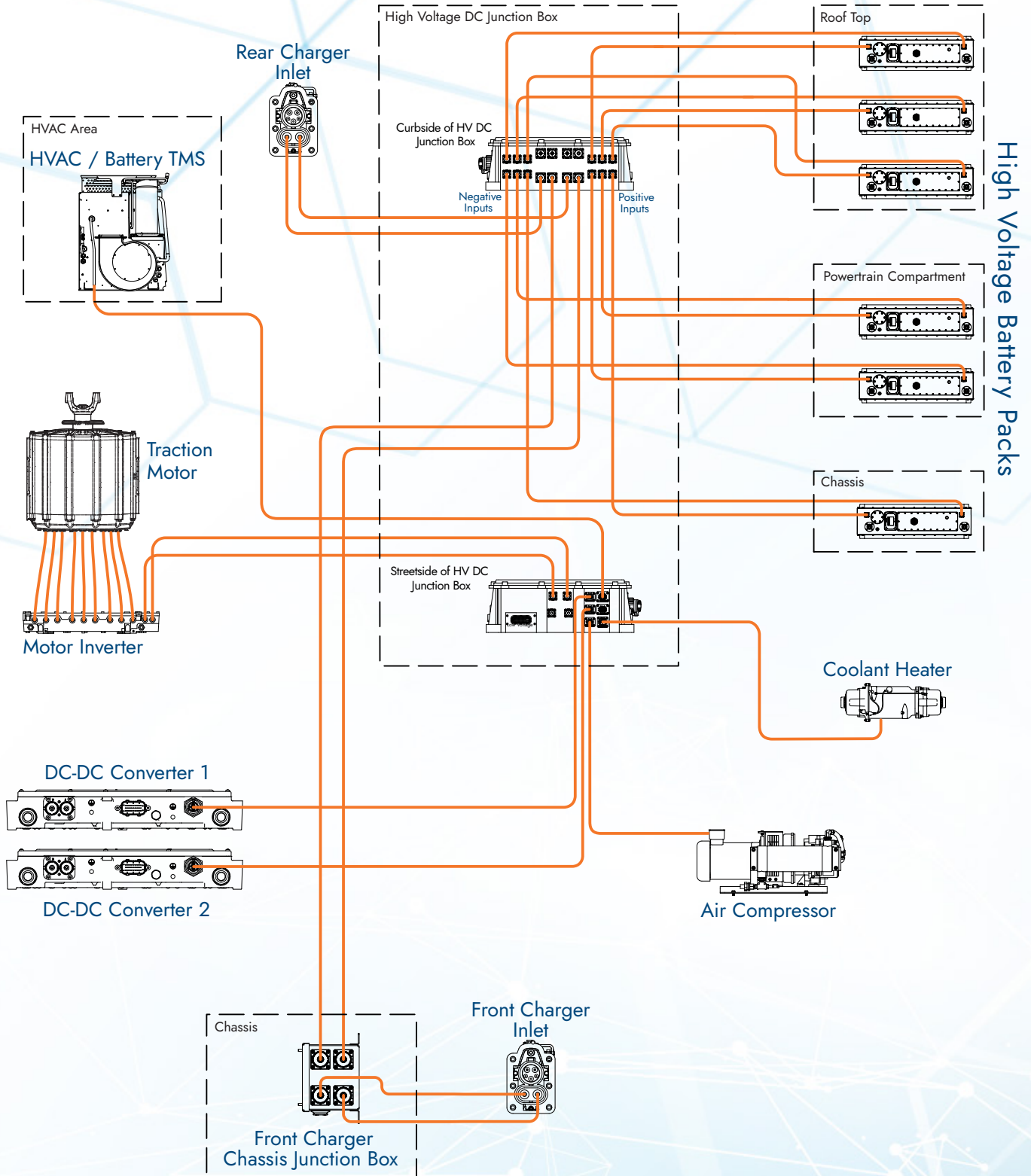
Industry standard J1772-Combo Charging System (CCS), also known as CCS-Type 1, DC plug-in charging is provided on every GILLIG Battery Electric bus. Optional SAE J2105-1 overhead charge rails are included with our proposal.

The system control module (SCM) controls the vehicle's motor speed, torque, and direction, depending on driver request and operating conditions. This is a low-voltage electronic module that connects to the throttle and other systems and communicates with the traction motor inverter to propel the bus.

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## 35' BATTERY ELECTRIC BUS

### VEHICLE CONFIGURATION





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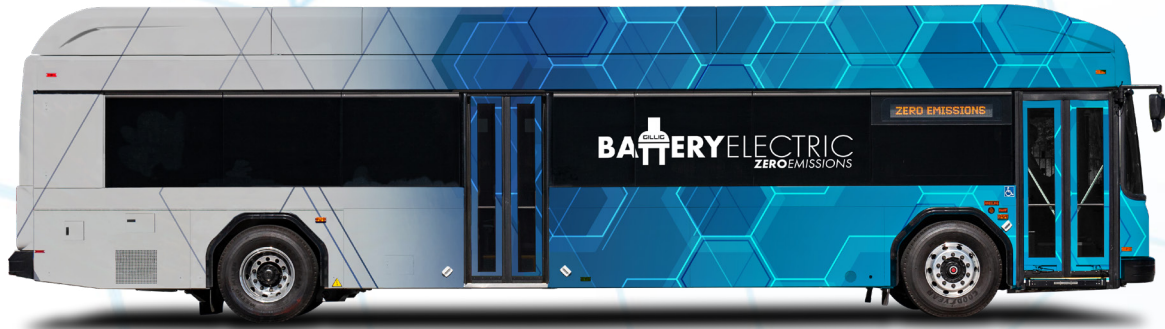
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<b>Bus Length</b>	40'
<b>Energy Capacity Options</b>	490 kWh, 588 kWh, 686 kWh
<b>Motor</b>	Direct Drive, Permanent Magnet
<b>Passenger Capacity (Seated/Total)*</b>	38/75
<b>Gross Vehicle Weight Rating</b>	48,200 lbs
<b>Maximum Height</b>	135"
<b>Peak Power (30s) Rated Power (Continuous)</b>	350 kW 3500 N-m 195 kW 2060 N-m

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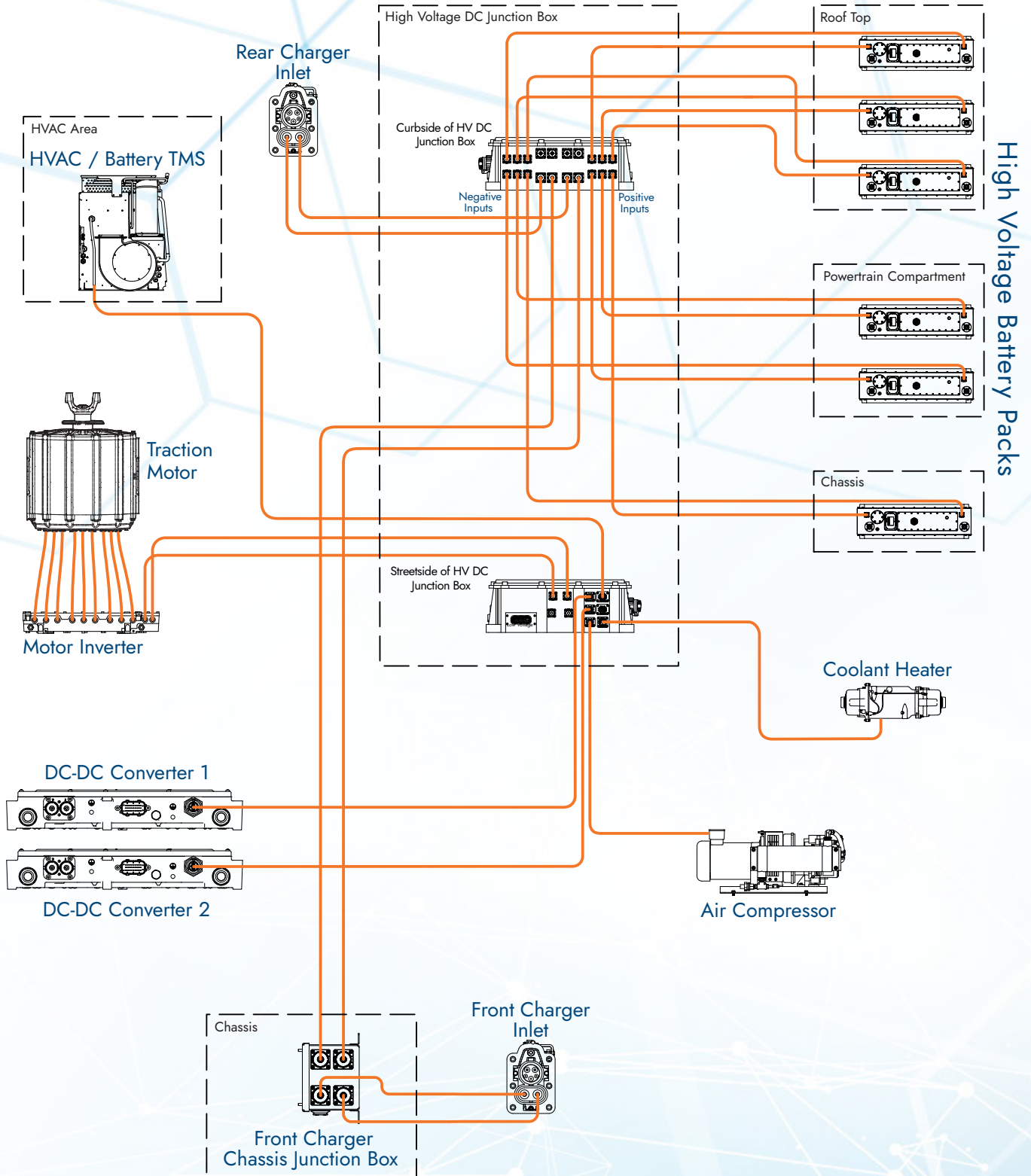
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High Voltage Battery Packs