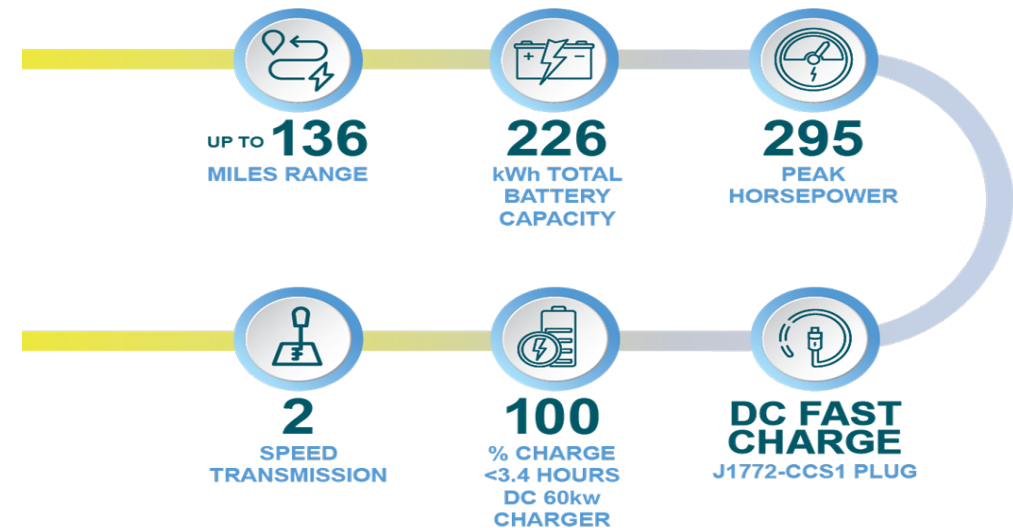




ELECTRIFICATION FOR ALL:

# Jouley Presentation

# Specifications Overview



# Reduced Maintenance Costs



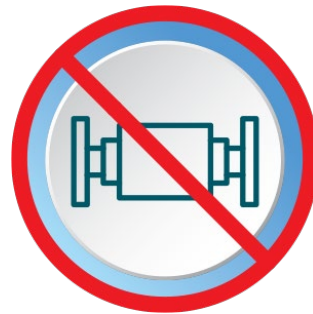
FUEL



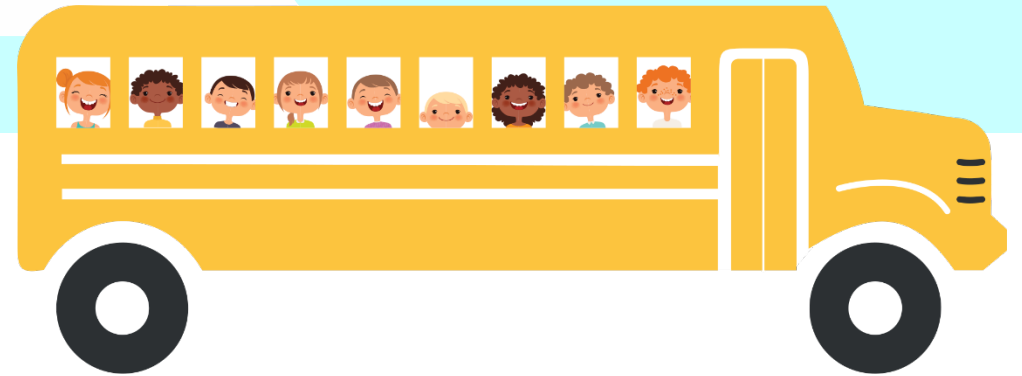
OILS/FILTERS/  
LUBRICANTS



BELTS



AFTER TREATMENT  
COMPONENTS

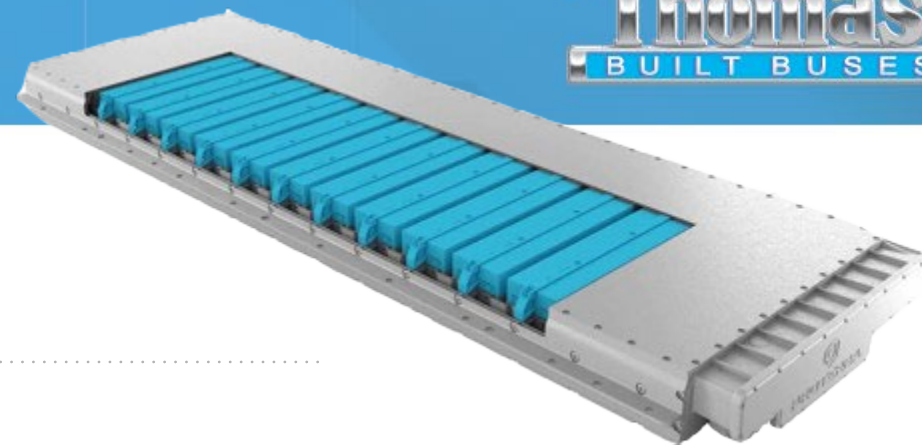


IMPROVED  
RIDE FOR STUDENTS

NO ENVIRONMENTAL EMISSIONS

HEALTH BENEFITS  
FOR RIDERS

# Proterra Batteries



## Exclusive Partner of Thomas Built Buses

### SMART

- Liquid cooling for **active thermal management** to ensure optimal operation in any climate
- More than **70 sensors** throughout each pack delivers continuous monitoring and diagnostics, enabling faster service
- Dynamically adjusts over time for maximum performance

### EFFICIENT

- Industry-leading energy density and range
- **Passive Propagation Resistance (PPR)** technology
- Consistent temperature control maximizes battery life

### SAFE

- Protective, **ruggedized enclosure** with ballistic-grade materials
- Passive and active safety mechanisms for heavy-duty applications
- Rigorously tested and 3<sup>rd</sup> party validated, ISO certified





### PROVEN


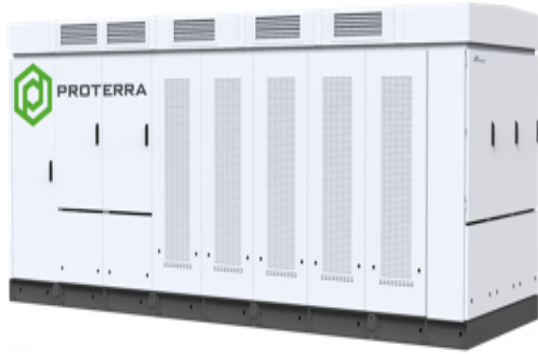
- **More than 20,000,000 service miles** on transit buses across North America
- Achieved record-breaking range for heavy-duty vehicles



# Charging Solutions



	ABB Terra DC Wallbox 24kW
	Delta Wallbox 25kW
	Delta City Charger 100kW
	Tritium RT 50kW
	Tritium RTM 75kW
	Tritium RT 175kW
	<ul style="list-style-type: none"> <li>•EFACEC QC45 50kW</li> </ul>

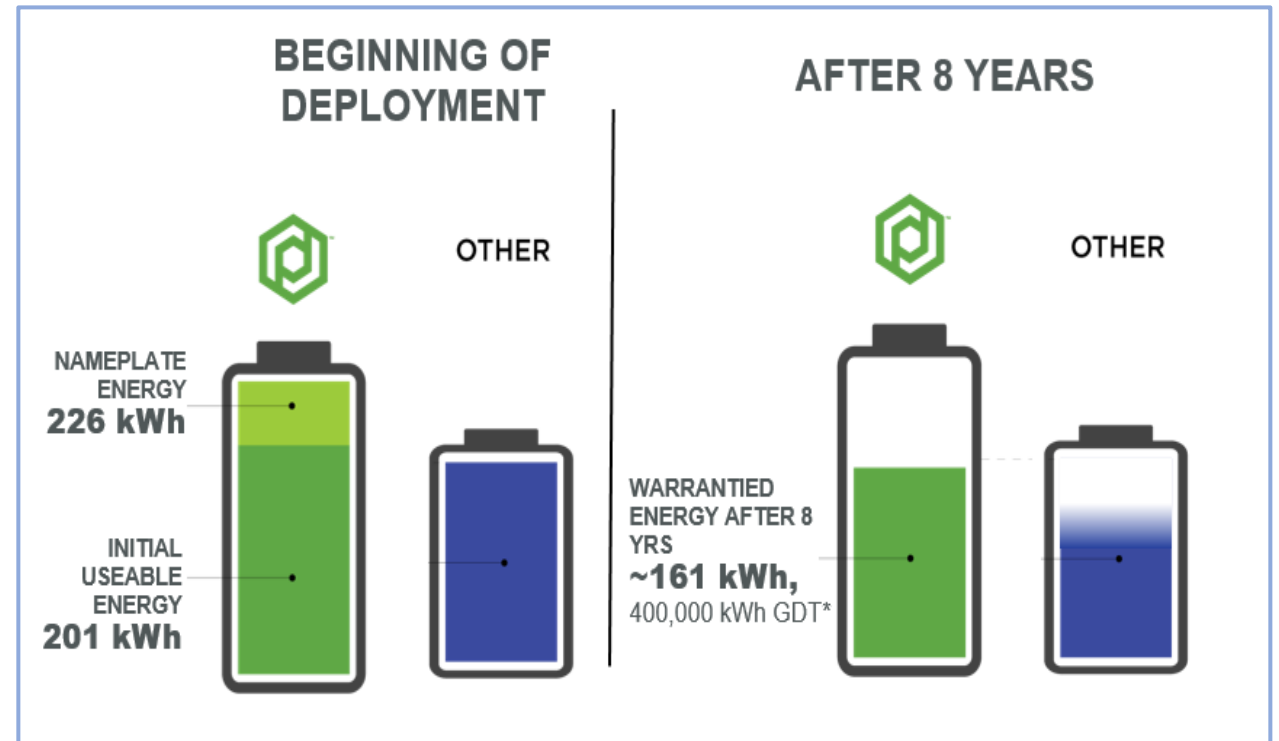
	Proterra 60kW DC Fast Charging Capable of a full charge in 3.4 hours. Connect up to 4 dispensers to one cabinet. V2G Capable
	Proterra 1.5 MW Charging System Large Fleet Solutions - Up to 20 Vehicles

# Proterra Batteries Provide Maximum Energy



## ENERGY DETERMINES RANGE


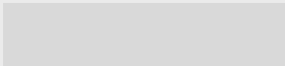
- The distance a vehicle can drive depends on how much energy is **available** in the batteries
- **Nameplate energy** refers to the total capacity of the battery pack at the beginning of its life
- The **accessible energy** in a battery pack must be limited to provide a more consistent and predictable energy draw over its lifetime
  - Reduces degradation, maximizes range capabilities long term
- Proterra batteries have 226 kWh of nameplate energy, with 201 kWh of available energy at the beginning of life, and 163 kWh of warranted energy at the end of 8 years
  - 8 years warranted energy of 161 kWh or 175,000 miles or 200,000kWh gross discharge throughout per pack (400,000 kWh per bus), whichever comes first.
  - Range at 201kWh – 136 miles
  - Range at 161kWh – 110 miles



**PROTERRA BATTERIES PROVIDE MORE ENERGY AT THE END OF 8 YEARS THAN SOME OTHERS PROVIDE ON DAY 1**

# Thomas C2 Jouley Warranty Summary



Coverage Type	Coverage Terms
Standard Bus Body 	3 years/50,000 miles
Standard Chassis 	3 years/50,000 miles
Proterra Battery 	8 years/175,000 miles/200,000 kwh throughput per battery pack(total of 2 packs per vehicle)
Proterra Powerdrive 	5 years/100,000 miles (traction motor, transmission, inverter)
Extended Warranty Available 	Up to 10, 12 

# ELECTRIC VEHICLE TRAINING



Throughout DTNA, High Voltage Safety training falls into three categories  
 - High Voltage HV1, HV2, and HV3.

Each category has specific task and roles the employee is allowed to perform. Reading and understanding this guide is the equivalent of HV1 Training.

The Jouley-101 (HV1) training is required for drivers, technicians, and any other personnel that will interact with a pre-production Jouley Electric Bus.

Employee's task	without training	HV1 training	HV2 training	HV3 training
Driving a production eVehicle	X	X	X	X
Driving a pre-production vehicle containing a HV system		X	X	X
Perform any 'non HV work' on any vehicle containing a HV System (Decommissioning required if potential to damage HV System)			X	X
Perform work on HV Components while the vehicle is decommissioned			X	X
Decommissioning of HV-System/ Commissioning of HV-System				X
Perform any work on an automotive HV system				X
HV-System modifications / troubleshooting energized HV eVehicle				

Employee Job Classification	No Training Needed	HV1 training	HV2 training	HV3 training
Driver production HV Vehicle	X			
Driver of pre-production HV Vehicle		X		
Fleet/ Customer Technician (working HV eVehicle but non-HV Components)			X	
Fleet/ Customer Technician (working HV eVehicle and working on HV Components)				X
Fleet/ Customer Maintenance Employees not working on eVehicles (Awareness)		X		
Dealer Technician (working HV eVehicle but non-HV Components)			X	
Dealer Technician (working HV eVehicle and working on HV Components)				X
Dealership Technicians not working on eVehicles (Awareness)		X		
Anyone moving in and around (inside physical safety barriers) a HV eVehicle while maintenance is being performed. Anyone that must go beneath a HV eVehicle for any reason, inspections or other purposes.			X	





Telin Transportation Group is your local dealer for the Jouley electric bus.

- We are a local dealer and are here for you
- Our technicians are Level HV3 trained - the highest level of factory training
- We offer on-site service. We come to you.
- Three buses are on order, estimated to arrive in Minnesota this summer

Thank You



Thank You!

VISIT US AT

<https://thomasbuiltbuses.com/school-buses/saf-t-liner-c2-jouley/>