

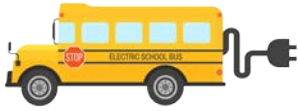


Electric School Buses Available for Purchase

November 2018

Type A Electric School Buses			
Manufacturer	TransTech	Lion	Blue Bird
Body	TransTech	Lion	MicroBird – Girardin
Chassis	Ford E-450	Lion	Ford E-450
Powertrain	Motiv Power System's All Electric Powertrain	DC TM4 Summo MD Electric Motor	ADOMANI and Efficient Drivetrains, Inc. (EDI)
Battery Manufacturer / Chemistry	FIAMM Sodium Nickel	LG Lithium-ion	Lithium-ion
Standard Battery Size / Capacity (Optional Larger Batteries)	85 kWh (106 kWh)	Up to 160 kWh	87 kWh
Passenger Capacity (Without Wheelchair Lift)	25	Up to 34 passengers; wheelchair lift available	Up to 28
Approximate Range Standard Battery (Optional Larger Battery)	65-75 miles (75-85 miles)	Up to 150 miles	100 miles
Top Speed	60 mph	60 mph	77 mph
Gradeability	17%		12%, likely steeper
Cabin Heating System	All Electric Trans Air System	Auxiliary ProHeat* M80-80,000 BTU (option)	Combustion Fuel-fired Thermal Management System
Charge Systems Voltage and Power	208/240V 3-phase power 25 kW	208/240 V single phase power 19.2 kW - requires 80 amps	J1772 65A/240V
Compatible Charging Manufacturers	Clipper Creek	Clipper Creek WattZilla	2x 6.6 kW Level 2
Estimated Charging Time (50%)	2-2.5 hours	3 hours	3.5 hours
Estimated Charging Time (0% to 100%)	8 hours	6-7 hours	6.5-7 hours
Approximate Price	\$220,000 - \$275,000	\$225,000 - \$275,000	Local Dealers Provide Quote
Deployed in the U.S.	New York, California	Taking Orders	Taking Orders

* Optional ProHeat on board, fuel fired heater, retains battery for range. Fueled with diesel, propane or natural gas.



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November 2018

Type C Electric School Buses				
Manufacturer	Starcraft eQuest XL	eLion	Thomas Built Buses	Blue Bird
Body	Starcraft	Lion	Saf-T-Liner eC2	Blue Bird
Chassis	Ford F59	Lion	Freightliner Custom Chassis	Blue Bird Vision
Powertrain	Motiv Power System's All Electric Powertrain	DC TM4 Sumo MD Electric Motor	EDI Power Drive 7000 EV Drivetrain	ADOMANI and Efficient Drivetrains, Inc. (EDI)
Battery Manufacturer / Chemistry	FIAMM Sodium Nickel	LG Lithium-ion NMC	XALT Lithium-ion NMC	Lithium-ion NMC
Standard Battery Size / Capacity (Optional Larger Batteries)	85 kWh (106 kWh) (127 kWh)	104 kWh (130 kWh)	155 kWh	160 kWh
Passenger Capacity (Without Wheelchair Lift)	48	Up to 72	Up to 81	Up to 77
Approximate Range Standard Battery (Optional Larger Battery)	65-75 miles (75-85 miles) (85-100 miles)	75 miles (100 miles)	120 miles	Up to 120 miles
Top Speed	60 mph	60 mph	65 mph	65 mph programmable
Gradeability	17%		20%	21% (11 mph speed)
Cabin Heating System	All Electric Trans Air System	Auxiliary ProHeat* M80 -80,000 BTU (option)	30 kW electric powered heat source	Diesel-fired Thermal Management System
Charge Systems Voltage and Power	208/240V 3-phase power 25 kW	208/240 V single phase 19.2 kW - requires 80 A	208/240 V single phase 19.2 kW - requires 80 A	80 A with 100Amp breaker. Level 2 EVSE is 19.2kW/hr at 220-240 V
Compatible Charging Manufacturers	Clipper Creek	Clipper Creek WattZilla	Clipper Creek JuiceBox	On-Board, Level-2 using the J-1772 plug
Estimated Charging Time (50%)	2-2.5 hours	2 hours		3-4 hours
Estimated Charging Time (0% to 100%)	8 hours	5.2 hours	8 hours	6-8 hours
Approximate Price	\$320,000 - \$350,000	\$325,000 - \$335,000	\$350,000 - \$400,000	Quote from local dealer
Deployed in the U.S.	California	Massachusetts, California	Taking Orders	Taking Orders

* Optional ProHeat on board, fuel fired heater, retains battery for range. Fueled with diesel, propane or natural gas.





Electric School Buses Available for Purchase

November 2018

Type D Electric School Buses	
Manufacturer	Blue Bird
Body	Blue Bird
Chassis	All American RE
Powertrain	ADOMANI and Efficient Drivetrains, Inc. (EDI)
Battery Manufacturer / Chemistry	Lithium-ion NMC
Standard Battery Size / Capacity (Optional Larger Batteries)	160 kWh
Passenger Capacity (Without Wheelchair Lift)	Up to 77
Approximate Range Standard Battery (Optional Larger Battery)	Up 120 miles
Top Speed	65 mph programmable
Gradeability	21% (11 mph speed)
Cabin Heating System	Diesel-fired Thermal Management System
Charge Systems Voltage and Power	80 A with 100Amp breaker. Level 2 EVSE is 19.2kW/hr at 220-240 V
Compatible Charging Manufacturers	On-Board, Level-2 using the J-1772 plug
Estimated Charging Time (50%)	3-4 hours
Estimated Charging Time (0% to 100%)	6-8 hours
Approximate Price	Quote from local dealer
Deployed in the U.S.	California