

# Ready for Work

*Now Is the Time for Heavy-Duty Electric Vehicles*  
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Appendix: Availability of Electric Trucks and  
Buses in the United States as of November 2019

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**TABLE 1. Availability of electric trucks and buses in the United States as of November 2019**

Manufacturer	Model	Range	Battery or H <sub>2</sub> Capacity	Availability
<b>Delivery Vans, Shuttles, and Straight Trucks</b>				
BYD	6F	124 miles	221 kWh	Today
Chanje	V8100	150 miles	100 kWh	Today
Freightliner (Daimler)	eM2	230 miles	325 kWh	Production in 2021
GreenPower	EV Star Cargo	150 miles	118 kWh	Today
International (Navistar)	eMV	250 miles	321 kWh	Production in 2021
Lightning Systems	Ford Transit 350HD	120 miles	86 kWh	Today
	Ford E-450	110 miles	129 kWh	Today
	Ford F-59	110 miles	128 kWh	Today
	Chevy 6500XD	130 miles	192 kWh	Today
Lion	Lion8	Unknown	480 kWh	TBD
Mitsubishi Fuso (Daimler)	eCanter	80 miles	83 kWh	Demonstration
Motiv	Ford E-450	100 miles	127 kWh	Today
	Ford F-53	125 miles	127 kWh	Today
	Ford F-59	90 miles	127 kWh	Today
Peterbilt (Paccar)	Model 220EV	100 miles	148 kWh	Demonstration
Phoenix Motor Cars	Ford E-450	100 miles	105 kWh	Today
Rivian	Unknown	Unknown	Unknown	Deployment in 2021
Workhorse	C1000	125 miles	70 kWh	TBD
Xos	Medium Duty	200 miles	Unknown	Today
<b>Tractor Trucks</b>				
BYD	8TT	125 miles	409 kWh	Today
Freightliner (Daimler)	eCascadia	250 miles	550 kWh	Production in 2021
Nikola	Nikola One (sleeper)	750 miles	80 kg H <sub>2</sub>	Production in 2022
	Nikola Two (day)	400 miles	1,000 kWh	Production in 2022
Peterbilt (Paccar)	Model 579	250 miles	352 kWh	Demonstration
Tesla	Semi	500 miles	Unknown	Production in 2020
Toyota/Kenworth (Paccar)	T680	300 miles	60 kg H <sub>2</sub>	Demonstration
Volvo Group	VNR	Unknown	Unknown	Production in 2020
Xos	ET One	300 miles	Unknown	Demonstration

Manufacturer	Model	Range	Battery or H <sub>2</sub> Capacity	Availability
<b>School Buses</b>				
Blue Bird	MicroBird (Type A)	100 miles	88 kWh	Today
	Vison (Type C)	120 miles	160 kWh	Today
	All American (Type D)	120 miles	160 kWh	Today
GreenPower	Synapse 72 (Type D)	140 miles	200 kWh	Today
IC (Navistar)	chargE (Type C)	120 miles	260 kWh	TBD
Lion	Type A	150 miles	129 kWh	Today
	Type C	155 miles	220 kWh	Today
Motiv	Type A	75 miles	106 kWh	Today
	Type C	90 miles	127 kWh	Today
Thomas Built (Daimler)	Jouley (Type C)	120 miles	220 kWh	Today
<b>Transit Buses</b>				
BYD	K7 (30')	135 miles	196 kWh	Today
	K9 (35')	215 miles	266 kWh	Today
	K9 (40')	177 miles	352 kWh	Today
	K11 (60')	230 miles	Unknown	Today
Complete Coach Works	ZEPS	150 miles	311 kWh	Today
El Dorado National	AXESS Fuel Cell (35')	260 miles	50 kg of H <sub>2</sub>	Today
	AXESS Fuel Cell (40')	260 miles	50 kg of H <sub>2</sub>	Today
Gillig	ePlus (29')	Unknown	296 kWh	Today
	ePlus (35')	Unknown	444 kWh	Today
	ePlus (40')	Unknown	444 kWh	Today
GreenPower	EV250 (30')	175 miles	210 kWh	Today
	EV300 (35')	175 miles	260 kWh	Today
	EV350 (40')	185 miles	320 kWh	Today
	EV400 (45')	185 miles	320 kWh	Today
Lightning Systems	City Transit Bus Repower	200 miles	320 kWh	Today
Lion	LionM (26')	150 miles	160 kWh	Today
New Flyer	Xcelsior (35')	260 miles	545 kWh	Today
	Xcelsior (40')	225 miles	466 kWh	Today
	Xcelsior (60')	135 miles	466 kWh	Today
	Xcelsior Fuel Cell (40')	300 miles	37.5 kg of H <sub>2</sub>	Today
	Xcelsior Fuel Cell (60')	300 miles	60 kg of H <sub>2</sub>	Today
Proterra	Catalyst (35')	234 miles	440 kWh	Today
	Catalyst (40')	328 miles	660 kWh	Today

Manufacturer	Model	Range	Battery or H <sub>2</sub> Capacity	Availability
<b>Coach Buses</b>				
BYD	C6M (23')	124 miles	121 kWh	Today
	C8M (35')	200 miles	353 kWh	Today
	C9M (40')	200 miles	353 kWh	Today
	C10M (45')	230 miles	446 kWh	Today
MCI (New Flyer)	D45 CRTe LE CHARGE	Unknown	388 kWh	Production in 2020
	J4500e CHARGE	200 miles	450 kWh	Production in 2020
VanHool/Proterra	CX45E	Unknown	Unknown	Production in 2020
<b>Double Decker Buses</b>				
Alexander Dennis/Proterra	500EV	200 miles	660 kWh	TBD
BYD	C10MS	230 miles	446 kWh	Today
GreenPower	EV550	240 miles	478 kWh	Today
<b>Yard Trucks</b>				
BYD	8Y	10 hours	217 kWh	Today
Kalamar	T2E	"3 shifts"	220 kWh	Today
Orange EV	T-Series	24 hours	160 kWh	Today
Terberg	YT202	62 miles	Unknown	Today
<b>Refuse Trucks</b>				
BYD	6R	125 miles	221 kWh	Today
	8R	56 miles	295 kWh	Today
Mack (Volvo Group)	LR	Unknown	Unknown	Demonstration
Peterbilt (Paccar)	Model 520EV	80 miles	315 kWh	Demonstration
<b>Street Sweepers</b>				
Global Environmental Products	M4 – electric	240 kWh	11 hours	Today
	M4 – fuel cell	20 kg	10 hours	Today

Notes: Ranges represent the maximum values reported by manufacturers. Models available "today" are defined as vehicles eligible for California's Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project incentive funding, if not otherwise commercially available for purchase. Parent companies are listed in parentheses. Manufacturer partnerships are designated with a slash.