



ELECTRIC TOUGH



LONG-RANGE BATTERY ELECTRIC CLASS 8 – 120,000 LBS GCWR

100% BATTERY-ELECTRIC CLASS 8 TRACTOR

Affordable, Dependable and Environmentally Friendly

The T9 utilizes the first battery specifically designed for vehicle electrification. Our proprietary iron phosphate technology is the core of BYD's Class 8 truck, enabling 92 miles of range with minimal battery degradation. The 120,000 lbs GCWR Class 8 truck is manufactured at BYD's Lancaster, CA facility and is compliant with FMVSS and CMVSS regulations.

- ✓ Environmentally friendly: no heavy metals or toxic electrolytes
- ✓ Regenerative braking extends battery life and reduces brake component wear
- ✓ Highly efficient, transversely mounted motors that are integrated with the drive axle
- ✓ Vehicle-to-Grid (V2G) system that allows the truck to deliver power back to the grid, to a load, or to another vehicle

WHAT SETS BYD APART



HIGH PERFORMANCE
BYD's breakthrough battery technology enables 92 miles of range.



ECO-FRIENDLY
Each truck equals 636 metric tons of CO2 eliminated or 600 acres of US forests saved.⁴



FUEL SAVINGS
\$9,600 annual savings assuming 75 miles per day and 7 days per week.



LONG-LASTING
BYD's batteries will still have 80% strength of charge after 5,000 cycles or 14 years if cycled every day.



SAFE
No thermal events, no oxygen released, and no cell swelling. Proprietary Battery Management System (BMS) assists with balancing and charging safety.



MAINTENANCE SAVINGS
\$4,500 annual savings. Fewer moving parts, less brake wear, and fewer fluids to change.

VEHICLE

T9

Dimensions	Length	25.4 ft
	Width	97.4 in
	Height	118.8 in
	Wheelbase	177.2 in
	Curb Weight	23,589 lbs
	GCWR	120,000 lbs
Performance	Top Speed	56 mph
	Max Gradeability	20%
	Range	92 miles
	Turning Radius	31.5 ft
	Approach/ Departure Angle	27° / 30°
Chassis	Suspension	Leaf Spring
	Brakes	Pneumatic Disc Brakes, ABS, Regenerative braking
	Tires	11 R 22.5
Powertrain	Motor Type	AC Permanent Magnet Synchronous Motor
	Max Power	241 hp x 2 = 482 hp
	Max Torque	1106 lbs-ft x 2 = 2,212 lbs-ft
	Battery Type	Iron-Phosphate
	Battery Capacity	188 kWh
	Charging Rate	80 kW
Charging Voltage	480 V AC 3-phase	
Charging Time	2.5 hrs	

Note:

1. All information based on the latest data available at the time of printing. Final specs subject to change at production.
2. Initial capacity shown. Numbers may decrease with time and use.
3. Battery age and outside ambient temperature affect charging times.
4. According to the California Air Resources Board GHG calculator based on 324,000 miles