



# ELECTRIC TOUGH



## LONG-RANGE BATTERY ELECTRIC CLASS 6 – CAB CHASSIS – 23,600 LBS GVWR

### 100% BATTERY-ELECTRIC CLASS-6 TRUCK

Affordable, Dependable and Environmentally Friendly

The BYD 6R utilizes the first battery specifically designed for vehicle electrification. Our proprietary iron phosphate technology is the core of BYD's Class-6 truck, enabling 85 miles of range with minimal battery degradation. The 23,600 lbs GVWR Class-6 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
- ✓ Highly efficient, transversely mounted motors that are intergrated with the drive axle
- ✓ Regenerative braking extends battery life and reduces brake component wear
- ✓ 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



Build Your Dreams™



## HIGH PERFORMANCE

BYD's breakthrough battery technology enables 85 miles of range.



## ECO-FRIENDLY

Each truck equals 450 metric tons of CO2 eliminated or 430 acres of US forests saved.<sup>4</sup>



## FUEL SAVINGS

\$6,200 annual savings assuming 60 miles per day and 6 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

\$2,700 annual savings. Fewer moving parts, less brake wear, and fewer fluids to change.

## VEHICLE

## BYD 6R

Dimensions	Length	25.9 ft
	Width	88.6 in
	Height	129.9 in
	Wheelbase	167.3 in
	Curb Weight	17,520 lbs
	Gross Weight	23,593 lbs
	Payload	6,073 lbs
Performance	Top Speed	56 mph
	Max Gradeability	30%
	Range	85 miles
Chassis	Approach/Departure Angle	24° / 16°
	Wheel Rim	19.5x6.75H
	Suspension	Front/Rear Leaf Spring
	Brakes	Front/Rear Air Disk Braking
	Tires	245/70 R 19.5
Powertrain	Max Power	201 hp
	Rated Power	201 hp
	Max Torque	406 lbs-ft
	Rated Torque	406 lbs-ft
	Max Motor Speed	10,000 rpm
	Battery Capacity	148.5 kWh
	Charging Power	AC 40 kw
	Charging Time	5 hrs
Savings	Metric Tons CO2e Saved Over Lifetime	450 metric tons CO2e
	Acres of forest saved Over Lifetime	430 acres
	Annual Fuel Savings	\$6,253
	Annual Maintenance Savings	\$2,730

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 187,200 miles