



Proposal Prepared for:

**Michael Schmidl
Facilities Manager
City of Hyattsville, MD
Department of Public Works**

Quotation for BYD 6R Electric Truck

8 June 2020





BYD Electric Refuse Truck and Charger:

BYD is pleased to propose its well-proven 6R (Class 6 Refuse Truck) with the 221 kWh Battery System for City of Hyattsville Electric Truck Program.

Pricing and Scope of Supply:

Please refer to the table below for BYD's scope of supply and associated pricing.

Item Number	Item Description	Quantity	MSRP	Extended Price
01	2020 BYD 6R Class 6 Refuse Chassis	1	\$265,000	\$265,000
02	BYD 40 kW Charger, with Pedestal and 16' Charging Cable	1	\$11,000	\$11,000
	Total Price:			\$276,000



6R Specifications:

Chassis	BYD 6F
Length	277.0 in.
Width	94.5 in.
Height	93.9 in.
Wheelbase	153.5 in.
Curb Weight	12,800 lbs. (w/out body)
GVWR	26,000 lbs.
Top Speed	70 mph
Max Gradeability	25%
Working Range	80+ miles
Wheel Rim	20x6.5
Tires	8.25R20
Suspension	Front/Rear leaf spring
Brakes	Front/Rear air disc brakes
Max Power	335 hp
Max Torque	1,328 ft.lbs.
Battery Capacity	221 kWh
Charging Power	40 kW AC, 120 kW DC CCS1



40 kW Charger Specifications:

Charger	40 kW
Charging Mode	AC
Input Voltage	480Y/277V 3P 4W
Operating Voltage Range	432V-528V 3-phase
Input Current	48A
Recommended Circuit Breaker Rating	80A
Input Power	40kW
Frequency	60Hz
Output Voltage	432V-528V 3-phase
Output Current	48A
Output Power	40kW
Charging Coupler Type	IEC62196-2
Wires	3 hot; 1 neutral; 1 ground
Length	15.75in
Width	7.87in
Height	27.17in
Number of Coupler(s)	1
Charging Cable Length	118.11in
Mounting Method	Wall-mounted
Short-circuit Protection	Yes
Overheat Protection	Yes
Lightning Protection	Yes
Certification	TUV
Reference Standard	IEC61851/IEC62196
Enclosure Protection	IP55
Operating Temperature	-22 to +122 deg F
Surrounding Humidity	5-95%
LED Indicators	Power, Connect, Charging, Complete, Error
LED Screen	SOC, Est Time to 100% SOC, ID, Charging Volume, Error



Pricing Notes:

1. **Pricing:** This quotation is provided as a Firm Fixed Price.
2. **Validity:** This proposal is valid through 31 July 2020, after which it shall expire.
3. **Currency:** All pricing is quoted in US Dollars (USD).
4. **DMV Documentation:** BYD shall provide all necessary documentation for a successful DMV registration process.
5. **Lead Time:** Lead Time is approximately six (6) months, after receipt of Purchase Order and all necessary technical information. Lead time does not include the Body manufacturing time, body installation or testing.
6. **Delivery:** Chassis shall be delivered FOB BYD Factory Lancaster, CA, USA.
7. **Body:** Class 6 Chassis shall be shipped to location designated by Customer, for body installation.
8. **Shipping:** Shipping costs have not been included in this proposal and shall be invoiced separately.
9. **Payment:** 30% of the Post Incentive/ Pre Tax Price shall be paid upon receipt of Purchase Order. The balance shall be due upon Delivery.
10. **Warranty:** Pricing includes BYD's Standard Warranty.
11. **T&C:** Any contract shall be subject to mutually agreeable Terms and Conditions.

Exclusions:

1. **Civil Works:** Costs associated with construction and upgrading of the site's civil works (i.e. concrete, bollards, fencing, lighting, etc.), have not been included in this quotation.
2. **Electrical Infrastructure:** Costs associated with upgrading the electrical infrastructure at the designated site, have not been included in this quotation.
3. **Electrical Contracting:** Costs associated with the electrical contracting and permitting requirements for charger installation, have not been included in this quotation.
4. **Taxes:** Taxes have not been included in this quotation and shall be invoiced separately.
5. **DMV Registration:** DMV registration costs have not been included in this quotation.



BYD Motors LLC
1800 South Figueroa Street
Los Angeles, CA 90015
USA

BYD Contact Information:

John Gerra
Sr. Director, Business Development
BYD Motors LLC
Mobile: (626) 244-1997
Email: john.gerra@byd.com

BYD 6R

All-Electric Class 6 Refuse



BYD TRUCKS | **HARD AT WORK**



THE NEW STANDARD

The BYD 6R is the world's first commercially available all-electric class 6 refuse chassis that can easily finish an entire route.

The BYD 6R's core technologies include state-of-the-art batteries, controls and motors. These core technologies are designed, tested and built by BYD as an integrated system. This allows the BYD 6R to achieve the highest levels of performance, endurance and reliability.

BYD software optimizes power and torque for superior performance in refuse collection operations. Combined with BYD's advanced battery chemistry, the BYD 6R holds more than enough energy to complete an entire route with true zero emissions.



BYD 6R

All-Electric Class 6 Refuse

Dimensions

Length	277.0 in
Width	94.5 in
Height	93.9 in
Wheelbase	153.5 in
Curb Weight	12,800 lbs
GVWR	26,000 lbs

Performance

Top Speed	70 mph
Working Range ¹	80+ Miles
Max Gradeability	25°
Approach / Departure Angle	22° / 16°

Chassis

Wheel Rim	19.5 x 6.75
Tires	245/70R19.5
Front Suspension	Leaf Spring
Rear Suspension	Leaf Spring
Front Brakes	Air Disc
Rear Brakes	Air Disc

Powertrain

Max Power	335 hp
Max Torque	1,328 lb-ft
Battery Capacity ²	221 kWh
AC Charging	40 kW AC
CCS1 DC Charging Power	120 kW DC
CCS1 DC Charging Time ³	2 hrs

Notes:

All information is based on the latest data available at the time of printing. Specifications are subject to change at any time.

1. Working range is approximate and affected by variables including road and weather conditions, speed, and driver behavior.
2. Specified battery capacity may decrease over time.
3. Charging time is approximate.



en.byd.com



BYD MOTORS LLC
1800 S Figueroa St
Los Angeles, CA 90015
en.byd.com

BYD Motors LLC, hereinafter referred to as "BYD," provides the following

WARRANTY

for the

BYD electric truck models BYD 6F (T7M), BYD 6R (T7M), BYD 8Y (Q1M), BYD 8TT (Q3M), BYD 8R (T9M) (the "Subject of the Warranty") under the following conditions.

1. Beneficiary of the Warranty; Spatial Area of Coverage of the Warranty

BYD provides the end customer (hereinafter referred to as the "Customer") with a non-transferable warranty for the Subject of the Warranty. The Customer is the natural person or legal entity which acquires the Subject of the Warranty for the purpose of commercially reasonable transportation use in the United States or Canada.

2. Term of the Warranty

The term of this Warranty for the Subject of the Warranty which BYD provides to the Customer is stated in the chart titled "Warranty Period" following this paragraph (the "Term of Product Warranty") and begins: (i) in the case of an equipment sale on the date of the Subject of the Warranty is Delivered per the terms of the Purchase Agreement; or, (ii) in the case of an equipment lease on the first day of the lease but only if the applicable lease down payment is paid in full.

Warranty Period				
Subject to the terms and condition in this Warranty Period chart, this warranty covers the Subject of the Warranty for 2 years or 50,000 miles or 8,000 hours, whichever occurs first.				
#	Category		Warranty Period (whichever occurs first)	Key components
1	Chassis(overall)		2 years or 50,000 miles or 8,000 hours	Normal wear and tear is excluded
2	High-Voltage Electrical Components	Battery	8 years or 400,000 miles or 32,000 hours	Battery Packs and Battery Management Systems 70% of Specified Battery Capacity
		Motor	5 years or 250,000 miles or 20,000 hours	Drive motor
		Controller	5 years or 250,000 miles or 20,000 hours	Motor controller/High Voltage Distribution Box/3-in-1 Controller/BMS/Charging Port/Service Switch/High Voltage Harness/DC-DC
3	Powertrain	Powertrain Assembly	5 years or 250,000 miles or 20,000 hours	Transmission/Transmission Case/TCU
4	Cab		2 years or 50,000 miles or 8,000 hours	Cab door
			2 years or 50,000 miles or 8,000 hours	Cab rotating device/Seat belt assembly/Door lock/window glass/switch/Hinge/Rearview mirror assembly/Windshield/Door glasses/Washer assembly
5	Chassis	Frame	2 years or 50,000 miles or 8,000 hours	Frame
		Axle	2 years or 50,000 miles or 8,000 hours	Front Axle/Rear Axle shell
		Brake system	2 years or 50,000 miles or 8,000 hours	Brake/ABS/Air dryer/Air tank/condenser/Air compressor/brake pedal/Accelerator Pedal
		Cooling system	2 years or 50,000 miles or 8,000 hours	Radiator/Electric Fan/Electric pump/Expansion tank
		Steering system	2 years or 50,000 miles or 8,000 hours	Steering wheel assembly/Steering column and joint/Steering motor/drag link/Steering oil reservoir/Steering pump
		Suspension	2 years or 50,000 miles or 8,000 hours	Spring leaf/Shock absorber
		Wheel	2 years or 50,000 miles or 8,000 hours	Rim
			2 years or 50,000 miles or 8,000 hours Normal wear and tear is excluded.	Tire
6	HVAC		2 years or 50,000 miles or 8,000 hours	HVAC Shell/PTC/Air compressor/Condenser/HVAC Panel
7	Low-Voltage Electrical Components		2 years or 50,000 miles or 8,000 hours	BCU/Front & Rear combo lights/Instrument panel/Combo switch/Chassis distribution box/Speaker/VCU/Gateway/Radio/Low Voltage battery
8	Interior		2 years or 50,000 miles or 8,000 hours	Instrument panel/Central console/Flooring
9	Upper body		2 years or 50,000 miles or 8,000 hours	Warranty only covers BYD bodies
10	Short Service-Life Items		2 years or 50,000 miles or 8,000 hours Normal wear and tear is excluded.	Brake pads/windshield wiper/lightbulb/Low-voltage fuse/Button Battery/oil/Air filter/Coolant/Refrigerant/Hose plate/Plate lock/Rubber plates, etc.
11	BYD Chargers		1 year	Charger Interface Assembly
12	BYD Parts		1 year	All spare and/or replacement parts
** BYD may elect to perform warranty service in accordance with this agreement: (i) at its factory-authorized service centers in California; or, (ii) at the Customer's local equipment maintenance facility at no cost to BYD.				

3. Exclusion of Warranty

BYD's warranty shall not cover defects or non-conformities in the Subject of the Warranty which are caused by normal wear and tear, inadequate maintenance, transportation, storage or faulty repair, misuse, neglect, accident or abuse, modification to the Subject of the Warranty by a third party other than BYD or BYD's agent approved by BYD, failure to observe the maintenance or operating instructions provided by BYD, or improper installation. The warranty shall not apply to defects caused by external influences including unusual physical or electrical stress (power failure surges, lightning, flood, fire, accidental breakage), which are not the responsibility of BYD. No warranty shall apply to any damages caused by goods to which the Subject of the Warranty is incorporated or installed into, or used together with, including any parts thereof.

EXCEPT AS HEREIN EXPRESSLY STATED, THERE ARE NO WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, FOR ANY SUBJECT OF THE WARRANTY THEREOF FURNISHED HEREUNDER. THE PARTIES AGREE THAT THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES AND/OR GUARANTEES, EXPRESS OR IMPLIED, ARE EXCLUDED FROM THIS TRANSACTION AND SHALL NOT APPLY FOR THE SUBJECT OF THE WARRANTY.

IN NO EVENT SHALL BYD BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER FOR ANY REASON (INCLUDING, WITHOUT LIMITATION, LOST PROFITS, LOSS OF USE, LOSS OF EQUIPMENT OR LOSS OF REVENUES) REGARDLESS OF THE LEGAL THEORY ON WHICH ANY SUCH CLAIM MAY BE MADE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

BYD shall not be liable for any inability to performance hereunder which is due to causes beyond its control, including, without limitation, strike, lockout, riot, war, fire, plague, act of God, extreme weather, natural disaster, change in law or regulation, or any governmental action or inaction.

4. Assertion of Warranty Claims

BYD appoints the Customers' place of purchase as service center for receiving and processing warranty claims. Upon discovering a potential warranty claim regarding the Subject of the Warranty, the Customer must immediately submit the prospective claim in writing along with the original purchase agreement and invoice. Customer's claims regarding the warranty hereunder shall be made within 21 days after Customer detects that the Subject of the Warranty has developed potential warranty issues.

5. Applicable Law; Arbitration

Any controversy or claim arising out of or relating to this warranty, or the breach thereof, shall be settled by arbitration administered by the American Arbitration Association under its Commercial Arbitration Rules. The number of arbitrator(s) shall be three (3). The place of arbitration shall be Los Angeles, California. California law shall apply. Judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. The arbitrator(s) shall be entitled to issue injunctive and other equitable relief. A Party may apply to any court with jurisdiction for interim or conservatory relief, including without limitation a proceeding to compel arbitration.