



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at *wvOASIS.gov*. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at *WVPurchasing.gov* with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header @ 4

List View

- General Information
- Contact
- Default Values
- Discount
- Document Information
- Clarification Request

Procurement Folder: 1316907
 Procurement Type: Statewide MA (Open End)
 Vendor ID: VS0000041892
 Legal Name: BYD COACH & BUS LLC
 Alias/DBA:
 Total Bid: \$0.00
 Response Date: 11/28/2023
 Response Time: 12:29
 Responded By User ID: BYDschoo
 First Name: Richard
 Last Name: Morales
 Email: bids.na@ride.co
 Phone: (626) 770-4678

SO Doc Code: CRFQ
 SO Dept: 0212
 SO Doc ID: SWC2400000002
 Published Date: 11/8/23
 Close Date: 11/28/23
 Close Time: 13:30
 Status: Closed
 Solicitation Description: VARIOUS SCHOOL BUSES FY2023-24 School Year
 Total of Header Attachments: 4
 Total of All Attachments: 4



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 1316907
Solicitation Description: VARIOUS SCHOOL BUSES FY2023-24 School Year
Proc Type: Statewide MA (Open End)

Solicitation Closes	Solicitation Response	Version
2023-11-28 13:30	SR 0212 ESR11282300000002554	1

VENDOR
 VS0000041892
 BYD COACH & BUS LLC

Solicitation Number: CRFQ 0212 SWC2400000002
Total Bid: 0 **Response Date:** 2023-11-28 **Response Time:** 12:29:32
Comments: RIDE will discuss discount options with prospective customers. We are currently revising our discount programs.

FOR INFORMATION CONTACT THE BUYER
 Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Vendor Signature X	FEIN#	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	VARIOUS BUS UNITS	0.00000	EA	0.000000	0.00

Comm Code	Manufacturer	Specification	Model #
25101500			

Commodity Line Comments: Please refer to the attached RIDE Exhibit_A Pricing. Buses will be delivered within 365 calendar days of ARO.

Extended Description:

VARIOUS BUS UNITS:

Note: Vendor shall complete the Exhibit_A Pricing Pages (REVISED 11/07/2023) for bid pricing and must attach with bid.

If vendor is submitting a bid online via wvOasis, Vendor should enter \$0.00 in the wvOasis commodity line and attach the Exhibit_A Pricing Pages to their bid.

See Section #6 BID SUBMISSION in the Instructions to Bidders document for additional information.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	DELIVERY TO CHARLESTON, WV	0.00000	EA	0.000000	0.00

Comm Code	Manufacturer	Specification	Model #
78121603			

Commodity Line Comments: Please refer to the attached delivery schedule.

Extended Description:

DELIVERY:

Note: Vendor shall complete the Exhibit_A Pricing Pages (REVISED 11/07/2023) for bid pricing and must attach with bid.

If vendor is submitting a bid online via wvOasis, Vendor should enter \$0.00 in the wvOasis commodity line and attach the Exhibit_A Pricing Pages to their bid.

See Section #6 BID SUBMISSION in the Instructions to Bidders document for additional information.

ID	Task Name	Duration	Start	Finish	January			February			March			April			May			June			July			August			September		
					M	T	W	B	M	T	B	M	T	B	M	T	B	M	T	B	M	T	B	M	T	B	M	T	B	M	T
1	Standard School Bus Schedule	180 days	Thu 1/18/24	Wed 9/25/24																											
2	Pre-Production Meeting	1 day	Mon 1/1/24	Mon 1/1/24																											
3	receive PO	1 day	Wed 1/3/24	Wed 1/3/24																											
4	SPO Signed Off	1 day	Wed 1/17/24	Wed 1/17/24																											
5	Design	30 days	Thu 1/18/24	Wed 2/28/24																											
6	BOM Release	33 days	Thu 1/18/24	Mon 3/4/24																											
7	Initial BOM release	3 days	Thu 1/18/24	Mon 1/22/24																											
8	Final BOM Release	3 days	Thu 2/29/24	Mon 3/4/24																											
9	Procurement	100 days	Tue 1/23/24	Mon 6/10/24																											
10	Long Lead Time Material	100 days	Tue 1/23/24	Mon 6/10/24																											
11	Other Material	60 days	Tue 3/5/24	Mon 5/27/24																											
12	Bus #1	87 days	Tue 5/28/24	Wed 9/25/24																											
13	Bus on Production Line	4 days	Tue 5/28/24	Fri 5/31/24																											
14	Welding	18 days	Mon 6/3/24	Wed 6/26/24																											
15	Painting	10 days	Thu 6/27/24	Wed 7/10/24																											
16	Chassis	18 days	Thu 7/11/24	Mon 8/5/24																											
17	Final Assembly	18 days	Tue 8/6/24	Thu 8/29/24																											
18	System Validation	10 days	Fri 8/30/24	Thu 9/12/24																											
19	Rework as Needed	5 days	Fri 9/13/24	Thu 9/19/24																											
20	In Stock	3 days	Fri 9/20/24	Tue 9/24/24																											
21	Ready to Ship Out	1 day	Wed 9/25/24	Wed 9/25/24																											

Project: RIDE Schoolbus 6 m
Date: Mon 11/27/23

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			



BYD Electric School Bus



Type D 2021



Type A 2022



Type C 2023



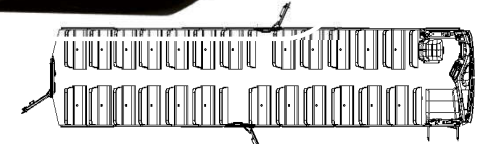
Type D SCHOOL BUS

Battery and Performance	Type		BYD LFP Battery
	Total Battery Capacity		255.5 kWh
	Usable Battery Capacity		230 kWh
	Operating Range*(miles/km)		155(250)
Weight	Operating Efficiency*(kWh/mile)		1.48
	Curb Weight(lbs./kg)		28,880(13100)
	GVWR(lbs./kg)		39,680(18000)
Charging	Max Plug-in AC Charging PowerAC		19.2 kW
	Max Plug-in DC Charging PowerDC		110 kW
	Charging Time	AC Charging	14.5-15 h
		DC Charging	2.5-3 h
V2G		Available	

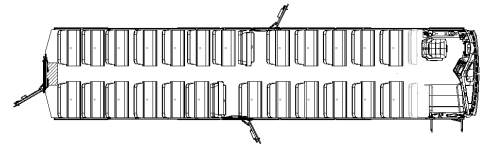
Dimensions	Length (ft/mm)	40.35(12,300)	
	Width (in/mm)	101.6(2580)	
	Height(in/mm)	133.5(3390)	
	Wheelbase(in/mm)	274 (6960)	
	Overhang(Front/Rear) (in/mm)	95.1/115.2(2415/2970)	
Max. Capacity	NY up to 78		Others state up to 81
	Wheelchair Area	Up to 1	
Performance	Top Speed	65mph(105km/h)	
	Gradeability	≥40mph(2.5%)	
		≥10mph(10%)	
		20% gradeability	
Turning Radius (TR0)	45ft(13.7m)		
Approach/Departure Angle	≥8.6° / ≥8.6°		
Chassis	Front Axle	Beam axle	
	Drive Axle	BYD in-wheel drive axle	
	Suspension	Air suspension	
	Brakes	Front & rear disc-brakes, EBS+ESC	
Motor	Tires	305/70R22.5	
	Max. Power	150kW×2	
	Max. Torque	550N·m×2	



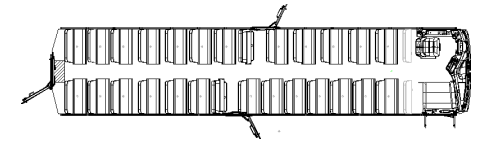
• 72+1



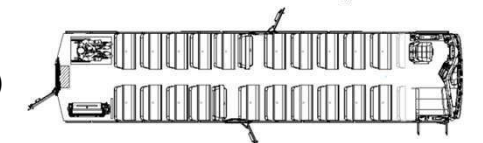
• 78+1



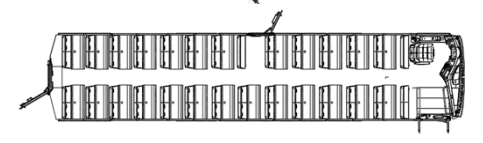
• 81+1



• 66+1ADA+1
(Only 1 ADA)



• 75+1



• Operating range and efficiency is based on Altoona Cycle without HVAC

Confidential documents, not allowed to be posted



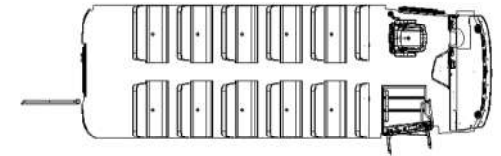
Type A SCHOOL BUS

Battery and Performance	Type	BYD LFP Battery	
	Total Battery Capacity	156.4 kWh	
	Usable Battery Capacity	140.76 kWh	
Weight	Operating Range*(miles/km)	105(168)	
	Operating Efficiency*(kWh/mile)	1.34	
	Curb Weight(lbs./kg)	17,000	
Charging	GVWR(lbs./kg)	21,500	
	Max Plug-in AC Charging PowerAC	19.2 kW	
	Max Plug-in DC Charging PowerDC	120 kW	
	Charging Time	AC Charging	8-9 h
		DC Charging	1-2 h
	V2G	Available	

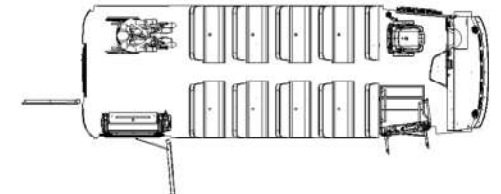


Dimensions	Length(ft/mm)	26.74(8150)
	Width(in/mm)	96(2438)
	Height(in/mm)	127.56(3240)
	Wheelbase(in/mm)	185 (4699)
	Overhang(Front/Rear)(in/mm)	41/95(1042/2413)
	Max. Capacity	30
	Wheelchair Area	Up to 5
Performance	Top Speed	65mph(105km/h)
	Gradeability	≥40mph(2.5%)
		≥10mph(10%)
		17% gradeability or 28% gradeability
Turning Radius (TR0)	33ft(10.05m)	
Approach/Departure Angle	≥20° / ≥10°	
Chassis	Front Axle	Beam axle
	Drive Axle	Single motor directly drive axle
	Suspension	Leaf Spring Suspension
	Brakes	Front & rear disc-brakes, EBS+ESC
	Tires	215/75R17.5
Motor	Max. Power	160kW
	Max. Torque	1100N·m

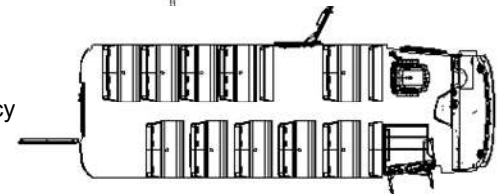
• 30+1



• 24+1ADA+1



• 30+1
(add SS emergency door for CA)



• Operating range and efficiency is based on Altoona Cycle without HVAC



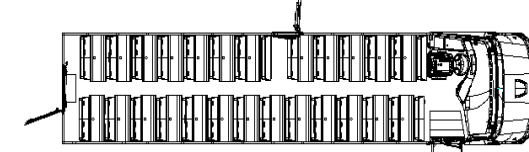
Type C SCHOOL BUS

Battery and Performance	Type	BYD LFP Battery	
	Total Battery Capacity	288.8 kWh option 192.5kwh	
	Usable Battery Capacity	259.9 kWh option 173.3kwh	
	Operating Range*(miles/km)	Up to 175(280)	
Weight	Operating Efficiency*(kWh/mile)	1.65	
	Curb Weight(lbs./kg)	24,802(11250)	
	GVWR(lbs./kg)	35,000(15875)	
Charging	Max Plug-in AC Charging Power AC	19.2 kW	
	Max Plug-in DC Charging Power DC	120 kW	
	Charging Time	AC Charging	14.5-15 h
		DC Charging	2.5-3 h
	V2G	Available	

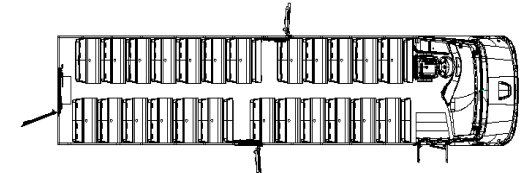
Dimensions	Length (ft/mm)	39.32(11,985)
	Width (in/mm)	96(2438)
	Height(in/mm)	124(3150) Not include AC
	Wheelbase(in/mm)	280 (7110)
	Overhang (Front/Rear)(in/mm)	40/152(1015/3860)
Performance	Max. Capacity	Up to 78+1
	Wheelchair Area	up to 1
	Top Speed	65mph(105km/h)
	Gradeability	≥40mph(2.5%)
		≥10mph(10%)
Turning Radius (TR0)	21% gradeability	
Chassis	Approach/Departure Angle	45ft(13.7m)
	Front Axle	≥23° / ≥10°
	Drive Axle	Beam axle
	Suspension	BYD Integrated e-axle
	Brakes	Front ,Leaf Spring Suspension/Rear,Air suspension
Motor	Tires	Front & rear disc-brakes, EBS+ESC
	Max. Power	11R22.5
	Max. Torque	260kW
Gearbox	Gearbox	700N·m
		2-Speed



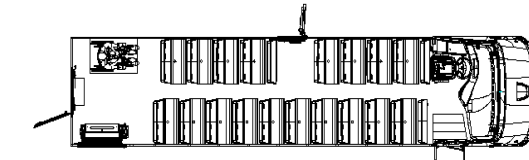
• 75+1



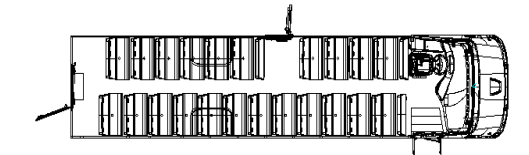
• 72+1 or
78+1 Folding seat



• 54+1+1ADA



• 66+1



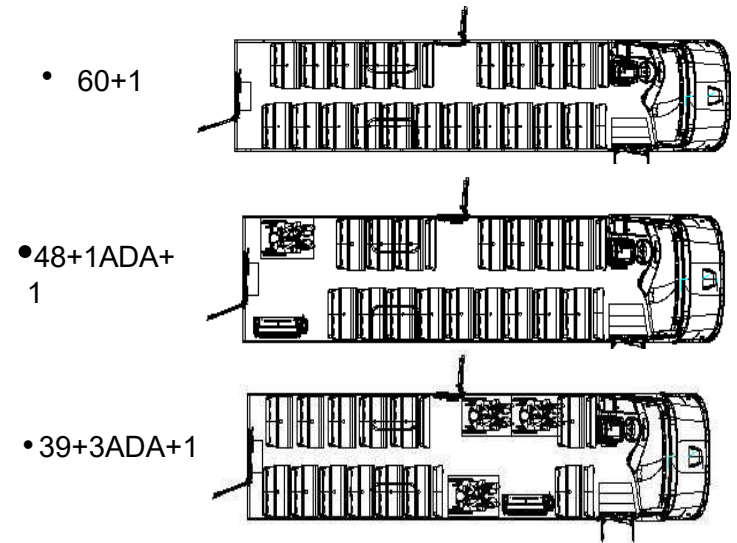
• Operating range and efficiency is based on Altoona Cycle without HVAC

Above is the preliminary spec and the final spec may change



Type C SCHOOL BUS

		Type	BYD LFP Battery
Battery and Performance	Total Battery Capacity		288.8 kWh option 192.5kwh
	Usable Battery Capacity		259.9 kWh option 173.3kwh
	Operating Range*(miles/km)		Up to 175(280)
	Operating Efficiency*(kWh/mile)		1.65
	GVWR(lbs./kg)		31,835(14440)
Weight	GVWR(lbs./kg)		35,000(15875)
	Max Plug-in AC Charging Power AC		19.2 kW
Charging	Max Plug-in DC Charging Power DC		120 kW
	Charging Time	AC Charging	14.5-15 h
		DC Charging	2.5-3 h
		V2G	Available
Dimensions	Length (ft/mm)	36.58(11,150)	
	Width (in/mm)	96(2438)	
	Height(in/mm)	124(3150) Not include AC	
	Wheelbase(in/mm)	260.04 (6605)	
	Overhang (Front/Rear)(in/mm)	40/139(1015/3530)	
	Max. Capacity	Up to 60+1	
Performance	Wheelchair Area	up to 3	
	Top Speed	65mph(105km/h)	
	Gradeability	≥40mph(2.5%)	
		≥10mph(10%)	
		21% gradeability	
	Turning Radius (TR0)	43ft(13.1m)	
Approach/Departure Angle	≥23° / ≥10°		
Chassis	Front Axle	Beam axle	
	Drive Axle	BYD Integrated e-axle	
	Suspension	Front ,Leaf Spring Suspension/Rear,Air suspension	
	Brakes	Front & rear disc-brakes, EBS+ESC	
Motor	Tires	11R22.5	
	Max. Power	260kW	
	Max. Torque	700N·m	
Gearbox	Gearbox	2-Speed	



• 60+1

• 48+1ADA+1

• 39+3ADA+1

• Operating range and efficiency is based on Altoona Cycle without HVAC

Above is the preliminary spec and the final spec may change

1. TRANSIT UNITS:

71 PASSENGER				
	230HP, FE	\$	-	
	230HP, RE	\$	-	
	ELECTRIC	\$	388,000.00	
	GASOLINE	\$	-	
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-	
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00	
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-	
77 PASSENGER				
	230HP, FE	\$	-	
	230HP, RE	\$	-	
	ELECTRIC	\$	389,000.00	
	GASOLINE	\$	-	
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-	
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00	
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-	
84 PASSENGER				
	245HP, FE	\$	-	
	245HP, RE	\$	-	
	ELECTRIC	\$	390,000.00	
	GASOLINE	\$	-	
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-	
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00	
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-	
89 PASSENGER				
	245HP, FE	\$	-	
	245HP, RE	\$	-	
	ELECTRIC	\$	-	
	GASOLINE	\$	-	
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-	
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	-	
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-	

2. CONVENTIONAL UNITS:

<u>24 PASSENGER</u>				
TYPE A	130HP	\$	-	
TYPE A	LPG Fueled	\$	-	
TYPE A	Gasoline	\$	-	
TYPE A	Electric	\$	278,000.00	
DELIVERY TO CHARLESTON, WV		\$	9,000.00	

<u>30 PASSENGER</u>				
TYPE A	130HP	\$	-	
TYPE A	LPG Fueled	\$	-	
TYPE A	Gasoline	\$	-	
TYPE A	Electric	\$	280,000.00	
DELIVERY TO CHARLESTON, WV		\$	9,000.00	

<u>35 PASSENGER</u>				
	Regular - 200HP	\$	-	
	Regular - LPG Fueled	\$	-	
	Regular - Gasoline	\$	-	
	Regular - Electric	\$	346,000.00	
DELIVERY TO CHARLESTON, WV		\$	10,000.00	

<u>47 PASSENGER</u>				
	Regular - 220HP	\$	-	
	Regular - LPG Fueled	\$	-	
	Regular - 210HP		-	
	Regular - Electric	\$	346,000.00	
	Regular - Gasoline	\$	-	
DELIVERY TO CHARLESTON, WV - F/47 Diesel		\$	-	
DELIVERY TO CHARLESTON, WV - F/47 Propane		\$	-	
DELIVERY TO CHARLESTON, WV - F/47 Gasoline		\$	-	
DELIVERY TO CHARLESTON, WV - F/ ELECTRIC		\$	10,000.00	

2. CONVENTIONAL UNITS:

53 PASSENGER

	Regular - 220HP	\$ -		
	Regular - LPG Fueled	\$ -		
	Regular - 210HP	-		
	Regular - Electric	\$ 346,000.00		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/53 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/53 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/53 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F/Electric		\$ 10,000.00		

59 PASSENGER

	Regular - 220HP	\$ -		
	Regular - LPG Fueled	\$ -		
	Regular - Electric	\$ 346,000.00		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/59 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/59 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/59 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F/ Electric		\$ 10,000.00		

65 PASSENGER

	Regular - 230HP	\$ -		
	Regular - LPG Fueled	39'		
	Regular - Electric	\$ 346,000.00		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/65 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/65 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/65 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F Electric		\$ 10,000.00		

2. CONVENTIONAL UNITS:

71 PASSENGER

	Regular - 230HP	\$ -		
	Regular - LPG Fueled	-		
	Regular - Electric	\$ 346,500.00		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/71 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/71 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/71 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F / Electric		\$ 10,000.00		

77 PASSENGER

	Regular - 230HP	\$ -		
	Regular - LPG Fueled	\$ -		
	Regular - Electric	\$ 350,000.00		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/77 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/77 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/77 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F/ Electric		\$ 10,000.00		

81 PASSENGER

	Regular - 230HP	\$ -		
	Regular - LPG Fueled	\$ -		
	Regular - Electric	\$ -		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/81 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/81 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/81 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F/ Electric		\$ -		

83 PASSENGER

	Regular - 230HP	\$ -		
	Regular - LPG Fueled	\$ -		
	Regular - Electric	\$ -		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/83 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/83 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/83 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F/ Electric		\$ -		

3. SPECIAL NEEDS - CONVENTIONAL UNITS:

35 PASSENGER

	200HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	352,000.00		
	GASOLINE				
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

47 PASSENGER

	220HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	352,000.00		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

53 PASSENGER

	220HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	352,000.00		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

59 PASSENGER

	220HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	352,000.00		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

3. SPECIAL NEEDS - CONVENTIONAL UNITS:

65 PASSENGER

	230HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	352,000.00		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

71 PASSENGER

	230HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	-		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	-		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

77 PASSENGER

	230HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	-		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	-		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

83 PASSENGER

	230HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	-		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	-		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

DELIVERY:

Bidders must state number of days after receipt of order (ARO) for bus delivery. Number of days for delivery shall be no greater than 180 calendar days. This does not include "letters of intent".

Buses will be delivered within 365 calendar days of ARO.

Vendor Name: BYD Coach & Bus LLC d/b/a RIDE Coach & Bus

Address: 888 E. Walnut St. Ste.200
Pasadena, CA 91102

Phone: 213.880.8597

Fax: 626-628-3412

Email: Patrick.duan@ride.co

Vendor's Representative:

Patrick Duan, Co-CEO

(Print Name)

Patrick Duan

(Signature)

11/27/2023

(Date)

WVDP for Electric School Buses

November 28, 2023



Submitted By:

BYD Coach & Bus LLC
d/b/a RIDE Coach & Bus
888 E. Walnut Street, 200B
Pasadena, CA 91101

BYD Contact Personnel:

Patrick Duan, Co-Ceo
P: 213.880.8597 | E: patrick.duan@ride.co

Spencer Sydorko, Regional School Bus Manager
P: 609.802.3546 | E: spencer.sydorko@ride.co

Maria Mendoza, Director of Bids and Grants
P: 213.356.3660 | E: maria.mendoza@ride.co

This proposal includes information that shall not be disclosed outside of the State and shall not be duplicated, used, or disclosed, in whole or in part of, for any purpose other than to evaluate this proposal. If, however, a contract is awarded to BYD as a result of, or in connection with, the submission of this information, client shall have the right to duplicate, use, or disclose the information to the extent provided in the resulting contract. This restriction does not limit the State's right to use information contained in this information if it is obtained from another source without restriction. The information subject to this restriction is contained on all pages that follow.

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COVER LETTER

November 28, 2023

Mr. Mark A. Atkins
State of West Virginia
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: State of West Virginia Purchasing Division – CRFQ SWC240000002

Dear Mr. Atkins:

BYD Coach & Bus LLC d/b/a RIDE Coach & Bus LLC is pleased to submit our bid to State of West Virginia Purchasing Division in response to CRFQ SWC240000002. As the world's leading electric bus manufacturer, RIDE is a driving force behind the technological innovations that are reshaping public transportation and inspiring electromobility on a global level. For over 25 years, we have been at the forefront of advancing battery technology and have spearheaded developments that are shaping the future of EV battery cells and redefining performance and safety standards for the industry. We offer the State of West Virginia Purchasing Division the following advantages:

→ Unparalleled Electric Bus Expertise.

To date, RIDE has delivered nearly 85,000 battery electric buses around the globe and approximately 850 throughout the United States – more than any other competing OEM.

→ Exceeds Buy America Requirements

RIDE buses exceed Buy America manufacturing requirements, as demonstrated by independent audits. Some transit buses contain over 70% domestic content.

→ Safe & Advanced Technology

RIDE utilizes a proprietary Lithium Iron Phosphate chemistry (LFP), RIDE's electric buses are powered by the safest, longest life and most reliable batteries on the EV market today.

RIDE put the same ingenuity into our electric school bus as we did for our transit buses - we didn't just build an electric school bus, we revolutionized it! Below are just some of the features that separate us from the competition.

→ Vehicle-To-Grid (V2G) Capability

Our electric school buses incorporate cutting-edge vehicle-to-grid technology, allowing the vehicle to serve as a power storage resource when it is not transporting students.

→ Built-In, State-of-the-Art Safety Features

Features include electronic stability control to aid handling, a collision avoidance system, and a 360-degree monitoring system to detect pedestrians when the bus is operating at slow speeds.

→ Enhanced Driver Comfort

The driver's area features comfortable seats, an 18-inch power steering wheel and telescopic steering column, high level of visibility, and easy to reach control switches.

Thank you for your time and consideration. Should you have any questions, please contact Spencer Sydorko, Regional School Bus Manager at (609) 802-3546 or spencer.sydorko@ride.co.

Sincerely,



Patrick Duan, Co-CEO

Phone: 213.880.8597

Email: Patrick.duan@byd.com

EXECUTIVE SUMMARY

About RIDE

Founded in 1995 as a battery manufacturer, **BYD Coach & Bus LLC d/b/a RIDE Coach & Bus** (RIDE) has dedicated the last 28 years to advancing battery technology and driving innovation through continuous investment in research and development. Today, RIDE is the largest battery manufacturer in the world and continues to raise the bar for safety, durability, and performance.

RIDE entered the electric bus market in 2010 and has since become the largest EV bus manufacturer in the world. Having delivered approximately 85,000 battery electric buses, RIDE's ingenuity and expertise has been pivotal in reshaping public transportation and empowering the transition to electric mobility on a global scale.

In 2013, RIDE opened manufacturing operations in Los Angeles County and quickly emerged as the largest battery electric bus maker in the United States. With more electric buses on the road than any competitor, our contribution toward building a zero-emissions future and development of game-changing technology has cemented RIDE as the premiere trendsetter in the electric vehicle industry.



Revolutionary Electric School Buses



RIDE entered the electric school bus market in 2021 intent on raising the bar for design, innovation, range and quality. Leveraging the ingenuity and technical proficiency needed to produce our groundbreaking battery-electric transit buses, we present a school bus with unparalleled safety features and enhanced performance wrapped in a sleek design that will have students wanting to step onboard while giving school districts the savings necessary to make migrating to zero emission technology affordable and practical.

➔ Vehicle-To-Grid (V2G) Capability

Our electric school buses incorporate cutting-edge vehicle-to-grid technology, allowing the vehicle to serve as a power storage resource when it is not transporting students. The buses can be charged overnight when energy demand is low, and clean emission-free energy can be fed back into the classroom during school hours when the bus is parked.

➔ Built-In, State-of-the-Art Safety Features

RIDE made safety a top priority in our design. Features include electronic stability control, a collision avoidance system, and a 360-degree monitoring system to detect pedestrians when the bus is operating at slow speeds. The buses also include a Predictive Stop Arm™ that monitors outside traffic and notifies students when it is safe to cross the street.

➔ **Enhanced Driver Comfort**

Our team drew from the experience of thousands of bus operators to enhance comfort and ergonomics in designing the driver's immediate surroundings. The driver's area features comfortable seats, an 18-inch power steering wheel and telescopic steering column, high level of visibility, and easy to reach control switches.

Benefits of RIDE

Global Strength



With over \$68 billion in revenue annually, and over 650,000 employees all over the world, RIDE is the global leader in new energy vehicles.

Industry Leader



RIDE is the world's largest producer of rechargeable batteries and is credited for empowering the transition to electrification of transportation on a global level.

BYD America



RIDE buses exceed Buy America manufacturing requirements, as demonstrated by independent audits. Some transit buses contain over 70% domestic content.

American Manufacturer



RIDE's manufacturing facility in Los Angeles County houses advanced engineering, leading-edge manufacturing, and can produce up to 1,500 buses a year.

Battery Recycling



When our batteries reach the end of their useful life, RIDE recycles the raw materials and transforms them into energy storage systems and other second-life applications.

Powered by RIDE Innovation



RIDE is unique for our vertical integration and extensive battery experience. We have achieved over 7% year-over-year energy-density improvements in the last six years.

Manufacturing Capabilities

RIDE has a state-of-the-art bus manufacturing facility in Lancaster, California. Built in 2013, the 556,000 square-foot manufacturing facility is the largest dedicated electric bus manufacturing facility in North America. The facility is staffed with over 750 highly trained production team members capable of producing over 1,500 electric buses annually. This is a testament to our continued foresight into where the market is headed as well as our ability to bring down costs and ramp up production.



Every RIDE bus is manufactured at our facility in Lancaster, CA

Key advantages that RIDE offers to our transit partners:

✓ **Battery Warranty**

RIDE warrants its batteries for a full 12-years - longer than any competing manufacturer.

✓ **Battery Safety**

RIDE's batteries are non-toxic, fire-resistant, and collision-resistant.

✓ **No 20th Century Technology**

RIDE does not use gears and belts that require frequent replacement and costly repairs.

✓ **Vertically Integrated Manufacturing**

RIDE is the only bus manufacturer that designs and builds its buses and power source.

✓ **Customer-First Design**

RIDE customizes the styling and design of our buses to meet your specific requirements.

BYD BUSINESS NAME CHANGE

RE: RIDE Mobility, the new face of BYD.

Dear Customer,

With this package, we are pleased to introduce RIDE Mobility, an extension of BYD's public transit business. BYD Coach and Bus LLC d/b/a RIDE Coach and Bus is a one-stop mobility solution provider and will extend the historical success of BYD's proven technology, American manufacturing, and delivery track record. RIDE will have American investors and the company is designed to serve you even better. The new organization will continue to undergo strategic growth in the U.S. that could include partnerships, acquisitions, or an initial public offering (IPO).

As the new face of BYD Coach & Bus, RIDE inherits a 550,000 square-foot U.S. manufacturing facility that represents 40 percent of the nation's capacity to build battery electric buses. RIDE's union workforce has already produced more than 1,500 buses for North America transit agencies and private customers with hundreds more in the pipeline. The RIDE brand encompasses an existing line of products that are manufactured by an FTA-approved TVM. Importantly, RIDE products are Altoona-tested and Buy America compliant.

Managed by a team with decades of experience in the electric transit field, RIDE assumes control of BYD's existing customer service, project management, contract maintenance activities and a footprint of facilities dedicated to customer service from coast to coast. And RIDE continues its longstanding commitment to the community and its union workforce that is the industry standard. RIDE buses are manufactured in Lancaster, California by members of the Sheet Metal, Air, Rail and Transportation workers Union, Local 105.

Over the next several years, the RIDE Group will become an independent U.S. - based tech company with a turnkey mobility platform offering leading technologies within the following areas of expertise:

- **Mobility Solutions: RIDE Transportation**, the manufacturing arm of the enterprise, will offer battery electric public transportation solutions including school and transit buses and technologies like SkyRail and SkyShuttle;
- **Battery Technology: RIDE Energy** will oversee the design and manufacture of battery modules, packs, and vehicle Rechargeable Energy Storage Systems (RESS).
- **Charging Infrastructure / Software and Services: RIDE ECO** will offer technologically superior infrastructure solutions and integration around commercial EV applications, including wireless and overhead charging as well as V2G, and an incubator for the development of state-of-the-art charging and autonomous transportation solutions.

We look forward to an incredible future with you. Please contact us with any questions.

Sincerely,

Patrick Duan

Co-CEO

Email: patrick.duan@ride.co

URL: www.ride.co

RIDE SCHOOL BUS EXHIBIT A_PRICING PAGES

As requested by the State of West Virginia the Exhibit A – Pricing pages was uploaded on the wvOasis website.

1. TRANSIT UNITS:				
<u>71 PASSENGER</u>				
	230HP, FE	\$	-	
	230HP, RE	\$	-	
	ELECTRIC	\$	388,000.00	
	GASOLINE	\$	-	
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-	
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00	
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-	
<u>77 PASSENGER</u>				
	230HP, FE	\$	-	
	230HP, RE	\$	-	
	ELECTRIC	\$	389,000.00	
	GASOLINE	\$	-	
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-	
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00	
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-	
<u>84 PASSENGER</u>				
	245HP, FE	\$	-	
	245HP, RE	\$	-	
	ELECTRIC	\$	390,000.00	
	GASOLINE	\$	-	
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-	
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00	
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-	
<u>89 PASSENGER</u>				
	245HP, FE	\$	-	
	245HP, RE	\$	-	
	ELECTRIC	\$	-	
	GASOLINE	\$	-	
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-	
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	-	
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-	

2. CONVENTIONAL UNITS:

<u>24 PASSENGER</u>				
TYPE A	130HP	\$	-	
TYPE A	LPG Fueled	\$	-	
TYPE A	Gasoline	\$	-	
TYPE A	Electric	\$	278,000.00	
DELIVERY TO CHARLESTON, WV		\$	9,000.00	
<u>30 PASSENGER</u>				
TYPE A	130HP	\$	-	
TYPE A	LPG Fueled	\$	-	
TYPE A	Gasoline	\$	-	
TYPE A	Electric	\$	280,000.00	
DELIVERY TO CHARLESTON, WV		\$	9,000.00	
<u>35 PASSENGER</u>				
	Regular - 200HP	\$	-	
	Regular - LPG Fueled	\$	-	
	Regular - Gasoline	\$	-	
	Regular - Electric	\$	346,000.00	
DELIVERY TO CHARLESTON, WV		\$	10,000.00	
<u>47 PASSENGER</u>				
	Regular - 220HP	\$	-	
	Regular - LPG Fueled	\$	-	
	Regular - 210HP		-	
	Regular - Electric	\$	346,000.00	
	Regular - Gasoline	\$	-	
DELIVERY TO CHARLESTON, WV - F/47 Diesel		\$	-	
DELIVERY TO CHARLESTON, WV - F/47 Propane		\$	-	
DELIVERY TO CHARLESTON, WV - F/47 Gasoline		\$	-	
DELIVERY TO CHARLESTON, WV - F/ ELECTRIC		\$	10,000.00	

2. CONVENTIONAL UNITS:

53 PASSENGER

	Regular - 220HP	\$	-		
	Regular - LPG Fueled	\$	-		
	Regular - 210HP		-		
	Regular - Electric	\$	346,000.00		
	Regular - Gasoline	\$	-		
DELIVERY TO CHARLESTON, WV - F/53 Diesel		\$	-		
DELIVERY TO CHARLESTON, WV - F/53 Propane		\$	-		
DELIVERY TO CHARLESTON, WV - F/53 Gasoline		\$	-		
DELIVERY TO CHARLESTON, WV - F/Electric		\$	10,000.00		

59 PASSENGER

	Regular - 220HP	\$	-		
	Regular - LPG Fueled	\$	-		
	Regular - Electric	\$	346,000.00		
	Regular - Gasoline	\$	-		
DELIVERY TO CHARLESTON, WV - F/59 Diesel		\$	-		
DELIVERY TO CHARLESTON, WV - F/59 Propane		\$	-		
DELIVERY TO CHARLESTON, WV - F/59 Gasoline		\$	-		
DELIVERY TO CHARLESTON, WV - F/ Electric		\$	10,000.00		

65 PASSENGER

	Regular - 230HP	\$	-		
	Regular - LPG Fueled		39'		
	Regular - Electric	\$	346,000.00		
	Regular - Gasoline	\$	-		
DELIVERY TO CHARLESTON, WV - F/65 Diesel		\$	-		
DELIVERY TO CHARLESTON, WV - F/65 Propane		\$	-		
DELIVERY TO CHARLESTON, WV - F/65 Gasoline		\$	-		
DELIVERY TO CHARLESTON, WV - F Electric		\$	10,000.00		

2. CONVENTIONAL UNITS:

71 PASSENGER

	Regular - 230HP	\$ -		
	Regular - LPG Fueled	-		
	Regular - Electric	\$ 346,500.00		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/71 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/71 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/71 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F / Electric		\$ 10,000.00		

77 PASSENGER

	Regular - 230HP	\$ -		
	Regular - LPG Fueled	\$ -		
	Regular - Electric	\$ 350,000.00		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/77 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/77 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/77 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F/ Electric		\$ 10,000.00		

81 PASSENGER

	Regular - 230HP	\$ -		
	Regular - LPG Fueled	\$ -		
	Regular - Electric	\$ -		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/81 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/81 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/81 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F/ Electric		\$ -		

83 PASSENGER

	Regular - 230HP	\$ -		
	Regular - LPG Fueled	\$ -		
	Regular - Electric	\$ -		
	Regular - Gasoline	\$ -		
DELIVERY TO CHARLESTON, WV - F/83 Diesel		\$ -		
DELIVERY TO CHARLESTON, WV - F/83 Propane		\$ -		
DELIVERY TO CHARLESTON, WV - F/83 Gasoline		\$ -		
DELIVERY TO CHARLESTON, WV - F/ Electric		\$ -		

3. SPECIAL NEEDS - CONVENTIONAL UNITS:

35 PASSENGER

	200HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	352,000.00		
	GASOLINE				
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

47 PASSENGER

	220HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	352,000.00		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

53 PASSENGER

	220HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	352,000.00		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

59 PASSENGER

	220HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	352,000.00		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

3. SPECIAL NEEDS - CONVENTIONAL UNITS:

65 PASSENGER

	230HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	352,000.00		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	10,000.00		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

71 PASSENGER

	230HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	-		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	-		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

77 PASSENGER

	230HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	-		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	-		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

83 PASSENGER

	230HP	\$	-		
	LPG Fueled	\$	-		
	Electric	\$	-		
	GASOLINE	\$	-		
DELIVERY TO CHARLESTON, WV - DIESEL		\$	-		
DELIVERY TO CHARLESTON, WV - LPG		\$	-		
DELIVERY TO CHARLESTON, WV - ELECTRIC		\$	-		
DELIVERY TO CHARLESTON, WV - GASOLINE		\$	-		

DELIVERY:

Bidders must state number of days after receipt of order (ARO) for bus delivery. Number of days for delivery shall be no greater than 180 calendar days. This does not include "letters of intent".

Buses will be delivered within 365 calendar days of ARO.

Vendor Name: BYD Coach & Bus LLC d/b/a RIDE Coach & Bus

Address: 888 E. Walnut St. Ste.200
Pasadena, CA 91102

Phone: 213.880.8597

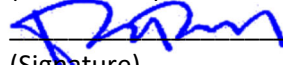
Fax: 626-628-3412

Email: Patrick.duan@ride.co

Vendor's Representative:

Patrick Duan, Co-CEO

(Print Name)



(Signature)

11/27/2023

(Date)

SCHOOL BUS SPECIFICATION SHEET

In the following pages you will find RIDE School Bus specification sheets.



BYD Electric School Bus



Type D 2021



Type A 2022



Type C 2023


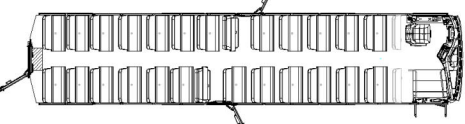





Type D SCHOOL BUS

Battery and Performance	Type		BYD LFP Battery
	Total Battery Capacity		255.5 kWh
	Usable Battery Capacity		230 kWh
	Operating Range*(miles/km)		155(250)
	Operating Efficiency*(kWh/mile)		1.48
Weight	Curb Weight(lbs./kg)		28,880(13100)
	GVWR(lbs./kg)		39,680(18000)
Charging	Max Plug-in AC Charging PowerAC		19.2 kW
	Max Plug-in DC Charging PowerDC		110 kW
	Charging Time	AC Charging	14.5-15 h
		DC Charging	2.5-3 h
V2G		Available	

Dimensions	Length (ft/mm)	40.35(12,300)	
	Width (in/mm)	101.6(2580)	
	Height(in/mm)	133.5(3390)	
	Wheelbase(in/mm)	274 (6960)	
	Overhang(Front/Rear) (in/mm)	95.1/115.2(2415/2970)	
Performance	Max. Capacity	NY up to 78	Others state up to 81
	Wheelchair Area	Up to 1	
	Top Speed	65mph(105km/h)	
	Gradeability	≥40mph(2.5%)	
		≥10mph(10%)	
Turning Radius (TR0)	45ft(13.7m)		
Chassis	Approach/Departure Angle	≥8.6° / ≥8.6°	
	Front Axle	Beam axle	
	Drive Axle	BYD in-wheel drive axle	
	Suspension	Air suspension	
	Brakes	Front & rear disc-brakes, EBS+ESC	
Motor	Tires	305/70R22.5	
	Max. Power	150kW×2	
	Max. Torque	550N·m×2	



- 72+1 
- 78+1 
- 81+1 
- 66+1ADA+1 (Only 1 ADA) 
- 75+1 

Confidential documents, not allowed to be posted

- Operating range and efficiency is based on Altoona Cycle without HVAC



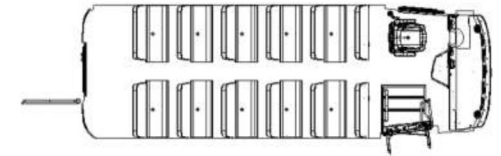
Type A SCHOOL BUS

Battery and Performance	Type	BYD LFP Battery	
	Total Battery Capacity	156.4 kWh	
	Usable Battery Capacity	140.76 kWh	
	Operating Range*(miles/km)	105(168)	
Weight	Operating Efficiency*(kWh/mile)	1.34	
	Curb Weight(lbs./kg)	17,000	
	GVWR(lbs./kg)	21,500	
Charging	Max Plug-in AC Charging PowerAC	19.2 kW	
	Max Plug-in DC Charging PowerDC	120 kW	
	Charging Time	AC Charging	8-9 h
		DC Charging	1-2 h
	V2G	Available	

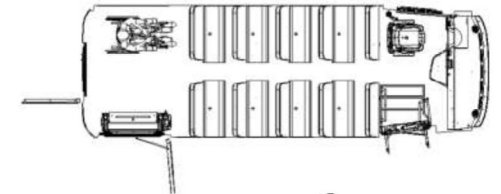


Dimensions	Length (ft/mm)	26.74(8150)
	Width (in/mm)	96(2438)
	Height(in/mm)	127.56(3240)
	Wheelbase(in/mm)	185 (4699)
	Overhang(Front/Rear) (in/mm)	41/95(1042/2413)
	Max. Capacity	30
	Wheelchair Area	Up to 5
Performance	Top Speed	65mph(105km/h)
	Gradeability	≥40mph(2.5%)
		≥10mph(10%)
		17% gradeability or 28% gradeability
Turning Radius (TR0)	33ft(10.05m)	
Approach/Departure Angle	≥20° / ≥10°	
Chassis	Front Axle	Beam axle
	Drive Axle	Single motor directly drive axle
	Suspension	Leaf Spring Suspension
	Brakes	Front & rear disc-brakes, EBS+ESC
	Tires	215/75R17.5
Motor	Max. Power	160kW
	Max. Torque	1100N·m

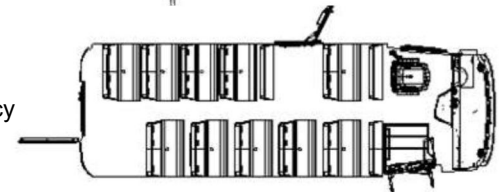
• 30+1



• 24+1ADA+1



• 30+1
(add SS emergency door for CA)



• Operating range and efficiency is based on Altoona Cycle without HVAC



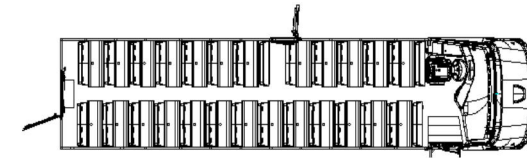
Type C SCHOOL BUS

Battery and Performance	Type	BYD LFP Battery	
	Total Battery Capacity	288.8 kWh option 192.5kwh	
	Usable Battery Capacity	259.9 kWh option 173.3kwh	
	Operating Range*(miles/km)	Up to 175(280)	
Weight	Operating Efficiency*(kWh/mile)	1.65	
	Curb Weight(lbs./kg)	24,802(11250)	
	GVWR(lbs./kg)	35,000(15875)	
Charging	Max Plug-in AC Charging PowerAC	19.2 kW	
	Max Plug-in DC Charging PowerDC	120 kW	
	Charging Time	AC Charging	14.5-15 h
		DC Charging	2.5-3 h
	V2G	Available	

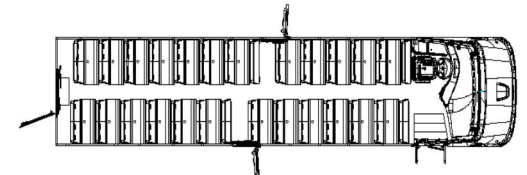


Dimensions	Length (ft/mm)	39.32(11,985)
	Width (in/mm)	96(2438)
	Height(in/mm)	124(3150) Not include AC
	Wheelbase(in/mm)	280 (7110)
	Overhang (Front/Rear)(in/mm)	40/152(1015/3860)
Performance	Max. Capacity	Up to 78+1
	Wheelchair Area	up to 1
	Top Speed	65mph(105km/h)
	Gradeability	≥40mph(2.5%)
		≥10mph(10%)
Turning Radius (TR0)	21% gradeability	
Chassis	Approach/Departure Angle	45ft(13.7m)
	Front Axle	≥23° / ≥10°
	Drive Axle	Beam axle
	Suspension	BYD Integrated e-axle
	Brakes	Front ,Leaf Spring Suspension/Rear,Air suspension
	Tires	Front & rear disc-brakes, EBS+ESC
	Max. Power	11R22.5
Motor	Max. Torque	260kW
	700N·m	
Gearbox	2-Speed	

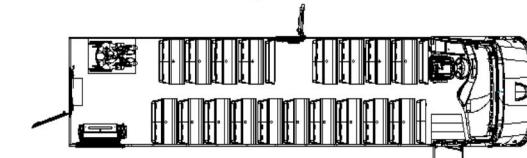
• 75+1



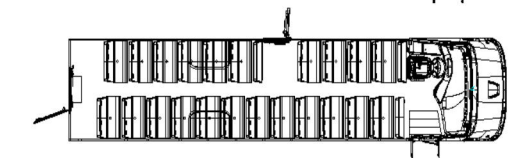
• 72+1 or
78+1 Folding seat



• 54+1+1ADA



• 66+1



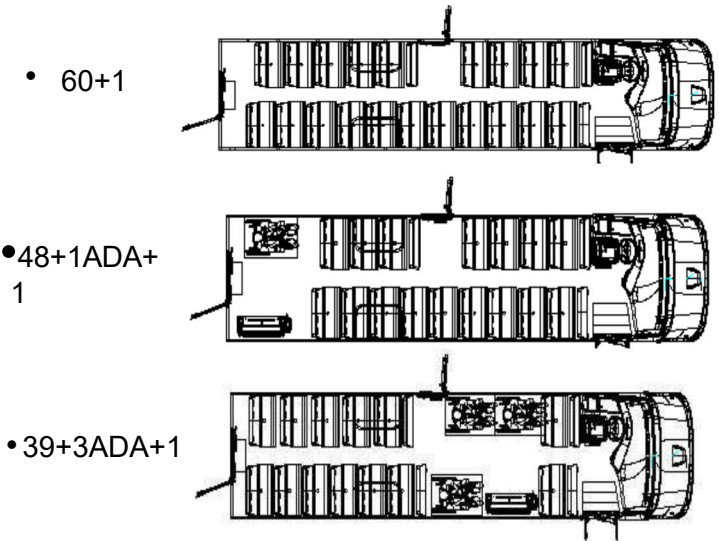
• Operating range and efficiency is based on Altoona Cycle without HVAC

Above is the preliminary spec and the final spec may change



Type C SCHOOL BUS

Battery and Performance	Type	BYD LFP Battery	
	Total Battery Capacity	288.8 kWh option 192.5kwh	
Weight	Usable Battery Capacity	259.9 kWh option 173.3kwh	
	Operating Range*(miles/km)	Up to 175(280)	
Charging	Operating Efficiency*(kWh/mile)	1.65	
	Curb Weight(lbs./kg)	31,835(14440)	
Dimensions	GVWR(lbs./kg)	35,000(15875)	
	Max Plug-in AC Charging Power AC	19.2 kW	
	Max Plug-in DC Charging Power DC	120 kW	
	Charging Time	AC Charging	14.5-15 h
		DC Charging	2.5-3 h
V2G	Available		
Performance	Length (ft/mm)	36.58(11,150)	
	Width (in/mm)	96(2438)	
	Height(in/mm)	124(3150) Not include AC	
	Wheelbase(in/mm)	260.04 (6605)	
	Overhang (Front/Rear)(in/mm)	40/139(1015/3530)	
Chassis	Max. Capacity	Up to 60+1	
	Wheelchair Area	up to 3	
	Top Speed	65mph(105km/h)	
	Gradeability	≥40mph(2.5%)	
		≥10mph(10%)	
Turning Radius (TR0)	21% gradeability		
Motor	Approach/Departure Angle	43ft(13.1m)	
	Front Axle	≥23° / ≥10°	
	Drive Axle	Beam axle	
	Suspension	BYD Integrated e-axle	
	Brakes	Front ,Leaf Spring Suspension/Rear,Air suspension	
Gearbox	Tires	Front & rear disc-brakes, EBS+ESC	
	Max. Power	11R22.5	
	Max. Torque	260kW	
	Gearbox	700N·m	
		2-Speed	



- Operating range and efficiency is based on Altoona Cycle without HVAC

Above is the preliminary spec and the final spec may change

SCHOOL BUS STANDARD DELIVERY SCHEDULE

In the following page you will find RIDE School Bus Standard Delivery Schedule.

ID	Task Name	Duration	Start	Finish	January			February			March			April			May			June			July			August			September		
					M	T	W	B	M	T	B	M	T	B	M	T	B	M	T	B	M	T	B	M	T	B	M	T	B	M	T
1	Standard School Bus Schedule	180 days	Thu 1/18/24	Wed 9/25/24	[Gantt bar spanning from Jan 18 to Sep 25]																										
2	Pre-Production Meeting	1 day	Mon 1/1/24	Mon 1/1/24	[Gantt bar]																										
3	receive PO	1 day	Wed 1/3/24	Wed 1/3/24	[Gantt bar]																										
4	SPO Signed Off	1 day	Wed 1/17/24	Wed 1/17/24	[Gantt bar]																										
5	Design	30 days	Thu 1/18/24	Wed 2/28/24	[Gantt bar]																										
6	BOM Release	33 days	Thu 1/18/24	Mon 3/4/24	[Gantt bar]																										
7	Initial BOM release	3 days	Thu 1/18/24	Mon 1/22/24	[Gantt bar]																										
8	Final BOM Release	3 days	Thu 2/29/24	Mon 3/4/24	[Gantt bar]																										
9	Procurement	100 days	Tue 1/23/24	Mon 6/10/24	[Gantt bar]																										
10	Long Lead Time Material	100 days	Tue 1/23/24	Mon 6/10/24	[Gantt bar]																										
11	Other Material	60 days	Tue 3/5/24	Mon 5/27/24	[Gantt bar]																										
12	Bus #1	87 days	Tue 5/28/24	Wed 9/25/24	[Gantt bar]																										
13	Bus on Production Line	4 days	Tue 5/28/24	Fri 5/31/24	[Gantt bar]																										
14	Welding	18 days	Mon 6/3/24	Wed 6/26/24	[Gantt bar]																										
15	Painting	10 days	Thu 6/27/24	Wed 7/10/24	[Gantt bar]																										
16	Chassis	18 days	Thu 7/11/24	Mon 8/5/24	[Gantt bar]																										
17	Final Assembly	18 days	Tue 8/6/24	Thu 8/29/24	[Gantt bar]																										
18	System Validation	10 days	Fri 8/30/24	Thu 9/12/24	[Gantt bar]																										
19	Rework as Needed	5 days	Fri 9/13/24	Thu 9/19/24	[Gantt bar]																										
20	In Stock	3 days	Fri 9/20/24	Tue 9/24/24	[Gantt bar]																										
21	Ready to Ship Out	1 day	Wed 9/25/24	Wed 9/25/24	[Gantt bar]																										



Project: RIDE Schoolbus 6 m Date: Mon 11/27/23	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

SCHOOL BUS STANDARD WARRANTY

In the following page you will find RIDE School Bus Standard Warranty.



SCHOOL BUS STANDARD LIMITED WARRANTY

This warranty covers 100% of the material (with exception to vulnerable consumable parts, friction material), workmanship and any associated freight costs during the warranty time period identified below.

No.	Major Component & Subsystem	Description (what is covered)	Warranty Period (which occurs first)	
			Years	Miles
1	<u>Complete Bus</u>	All parts with exception to components or subsystems noted below.	1	20,000
2	<u>Basic Bus Structure</u>	Body, and body structure shall consist of the components that are mechanically fastened or adhesively bonded or glued as part of the structure.	5	100,000
3	<u>Chassis Structure (Integrity)</u>	Consists of all components that are welded together to form the main frame (skeleton) and body construction. The structural integrity guarantee covers against a significant loss of structural integrity of the assembly or its functional performance due to non corrosion related failures.	5	100,000
4	<u>Chassis Structure (Corrosion)</u>	Consists of all components that are welded together to form the main frame (skeleton) and body construction. The corrosion guarantee covers against a significant loss of structural integrity of the assembly or its functional performance, resulting from a pertinent loss of cross-section due to corrosion caused by normal environmental elements but excludes corrosion caused by aggressive road de-icers such as Magnesium Chloride or equivalents, unless Ride approved preventative measures are taken.	5	100,000
5	<u>Propulsion System/Drive Axle</u>	Traction Motor/s, Hub Reduction Gear Assembly, Gearbox, Gearbox Housing Assembly Requires supporting documentation of PM records.	4	80,000

6	<u>High-Voltage Energy Storage System</u>	<p>Type A-1: 8 years Unlimited miles, remaining rate of usable capacity is no less than 70% of initial usable capacity. The gross discharging kWh limitation throughout warranty period is 400,000 kWh.</p> <p>Type A-2: 12 years Unlimited miles, remaining rate of usable capacity is no less than 60% of initial usable capacity. The gross discharging kWh limitation throughout warranty period is 500,000 kWh.</p> <p>Type C/D: 12 years Unlimited miles, remaining rate of usable capacity is no less than 60% of initial usable capacity. The gross discharging kWh limitation throughout warranty period is 800,000 kWh.</p>	8/12	Unlimited
7	<u>High-Voltage Components & Control System</u>	Drive motor controller, Bidirectional inverter charge-discharge motor controller, DC and auxiliary motor controller assembly, Service plug assembly, High-voltage distribution box, High-voltage harness, 3-phase cable junction box.	5	100,000
8	<u>Low-Voltage Control System</u>	Vehicle Control Unit, Rear Auxiliary Controller.	5	100,000
9	<u>Non-Drive Axles</u>	Requires supporting documentation of PM records.	2	40,000
10	<u>Air Conditioning System</u>	Requires supporting documentation of PM records.	5	100,000
11	<u>Door System</u>	Excluding maintenance items & items that are not covered by the OEM's warranty.	1	Unlimited
12	<u>Wheel Chair Lift & Ramp System</u>	Lift and/or ramp parts and mechanical only.	1	Unlimited
13	<u>Brake System</u>	Friction material excluded.	2	40,000
14	<u>Flooring</u>	The wear layer floor coverings shall be free from defects in material.	5	Unlimited
15	<u>DC Charger (Heliox)</u>	Pass through warranty to Heliox	2	Unlimited
16	<u>Air Compressor</u>	Requires supporting documentation of PM records.	2	40,000



17	<u>Tires</u>	Warranty does not apply to normal wear and tear or deterioration.	2	24,000
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All maintenance records should be retained by the owner/operator as specified by Ride preventive maintenance manual.

SCHOOL BUS TRAINING PROGRAM

In the following pages you will find RIDE School Bus Training.

RIDE



Real Innovation Delivered with Excellence

SCHOOL BUS TRAINING PROGRAM

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TRAINING INTRODUCTION

Training Mission

At RIDE we know it's human nature to be apprehensive of change. Effective adoption of new technologies depends on getting users comfortable with new systems.

Success as a manufacturer, success of electric buses and ultimately the success of green transit and related careers, depends on our customers and especially our customers' staff –*your staff* – becoming comfortable with these systems.

It's our mission to get you excited about RIDE battery electric buses and their benefits — benefits that you can bring to your community.

- **Cleaner air** - by helping eliminate emissions that pollute and exacerbate climate change.
- **Quieter streets** - by helping reduce noise pollution.
- **Safer streets** – helped by using our LiFePO4 batteries, which unlike other battery chemistries, will not ignite or explode - even in worst case scenarios.
- **Independence from problematic fuels**
- **Lower costs** – helped by needing fewer tax dollars to pay for fuel and maintenance costs compared to diesel, hybrid, CNG, or other battery-electric buses.
- **Regional revitalization** - helped by positioning your agency and area as a high-tech employment center, and a cleaner place to live.
- **Upgraded career skills** – helped by positioning your staff at the forefront of the 21st century global environmental and technological revolution.

Training Objective

To give our clients the knowledge needed to operate, maintain and repair RIDE Battery Electric Buses safely and efficiently.

Training Program Foundation

- **Expert trainers:** Our trainers know *how to do*, *how to listen*, and *how to teach*. They have extensive knowledge and experience such as:
 - Electric bus technicians**, who know our buses and systems and can answer questions that might come up during training.
 - Traditional heavy vehicle technicians and/or operators**, who grew up on the systems your staff is accustomed to and understand their questions.
 - Transportation-specific trainers**, skilled in combining lectures, visuals, question- and-answer sessions, and hands-on work to maximize learning.
- **Classes taught when you choose:** Training can be held on site at one or more of your facilities (or any location you provide). RIDE will work with you to schedule your training request. Training takes place during regular daytime business hours, but RIDE is flexible towards any special requests.

Scheduling and site arrangements will be finalized between you and our training staff during pre-production. Training typically commences upon delivery of the pilot bus, as some sessions require a RIDE bus to be available at the training site.

- **Small class sizes:** We suggest limiting training classes to fewer than 10 students. Although this may increase the number of sessions to accommodate all your staff, RIDE is committed to providing hands-on experience and ample time to ask questions.
- **Certification:** The School Bus Training Program offers a comprehensive learning experience for technicians covering a wide range of topics related to RIDE school bus maintenance and repair. With the **Bronze**, **Silver**, and **Gold** certification levels, technicians can progress from beginner to expert, acquiring the necessary knowledge and capabilities to effectively service and maintain RIDE school buses. These courses are intended to complement traditional automotive technical education; 13 modules cover the entire course.

PROGRAM ADMINISTRATION

Curriculum, scheduling, and site arrangements for initial sessions will be finalized between you and our Training Manager during pre-production. The Training Manager will work with you to finalize a **Training Plan** to meet your needs, including those specified in the contract. This plan will cover, at a minimum, training for your maintenance and operations departments. Any revisions of the contract specifications must be approved by you in writing.

- **Provided by RIDE:**

Final training plan, including list of deliverables and required resources, for your review and approval prior to training.

Trainer(s) and instruction materials for each session.

An attendance sheet, at the conclusion of each session.

Copies of all documentation (test scores, written and practical) for each trainee, upon completion of each session.

Digital copies of materials presented during the program, including aids, handouts, slides, and videos.

Required Resources

The following resources, sufficient for up to 10 students, are required at a location that can accommodate:

- **Provided by You:**
- **Classroom, desk, and chairs**
- **Space sufficient for a bus**
- **Whiteboard**
- **Projector / Screen or**
- **Large TV / Monitor**
- **Standard service tools**
- **Bus**

- **Provided by RIDE:**

Presentation materials and handouts

Training Aids for module(s) as specified in the contract.

Mock-ups for the module(s) as specified in the contract.

Videos for module(s) if/as specified in the contract.

COURSE OUTLINES

The following outlines our standard curriculum for operators and service technicians, dispatchers, support staff, executives and/or others.

Note that OEM training will be coordinated by our Training Department, under the Customer Service Manager, to include all relevant courses. Specific courses depend upon your choice of options and will be determined during pre-production.

Note that vendor accessory training will be performed by the vendors themselves. RIDE can help coordinate technical training requests by providing vendor contact information.

TRAINING LEVELS

The RIDE Electric Bus Technician Training Course is a comprehensive program designed to train technicians in the maintenance and repair of RIDE buses. This course is intended to complement traditional automotive technical education and help inform technicians who will work on these new vehicles. The course is divided into three certification levels: **Bronze**, **Silver**, and **Gold**. 13 modules cover the entire course.

This document presents an overview of the objectives and capabilities obtained from each module, highlighting the progression from beginner to expert levels.

Bronze Level

(Modules 1-3): Serves as the beginner certification level. These modules are prerequisites for the silver level.

Completion of Bronze level training will allow a technician to:

1. Understand the features and functions of a RIDE school bus.
2. Charge the vehicle.
3. Safely Lockout/Tagout the bus high-voltage system.
4. Provide information on personal protective equipment (PPE).
5. Perform preventative maintenance.

Silver Level

(Modules 4-11): To qualify for the Silver Level, technicians must complete the bronze level modules.

Completion of Silver Level training will allow a technician to:

1. Explain the principles of the RIDE bus low voltage electrical system.
2. Interpret RIDE wiring schematics.
3. Describe the purpose and key features of the Dinex I/O system.
4. Define and explain the various levels of electric vehicle charging.
5. Explain the working principles of the air conditioning cooling and heating modes.
6. Analyze various HVAC and high-voltage defroster failures.
7. Describe the working principles of the RIDE air brake and suspension system.
8. Understand the operation of the RIDE bus steering system.

Gold Level

Modules (Modules 12-13): To qualify for the Gold Level, technicians must complete the bronze and silver level modules.

Completion of Gold level training will allow a technician to:

1. Identify the key components and their roles within the high-voltage power battery system.
2. Identify the components that make up a typical high-voltage battery module.
3. Understand how the high-voltage distribution system interfaces with vehicle propulsion and auxiliary systems.
4. Describe the configuration and layout of a 5-in-1 or 6-in-1 high-voltage distribution box.
5. Identify the major components and subsystems that make up the high-voltage drivetrain.

TECHNICIAN TRAINING

Bronze Level

Technician Training Stage 1 – Introduction

Module 1: Technician Intro to RIDE Bus

This module is designed to offer information and training to technicians who will service a RIDE electric bus.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 4 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Familiarize technicians with a vehicle overview.
 2. Provide walkaround inspection information.
 3. Provide information on vehicle charging.
 4. Present emergency handling and towing procedures.
 5. Provide maintenance overview.

Module 2: High-Voltage Safety & Lockout / Tagout

This module is designed to familiarize technicians with high-voltage components and how to safely lockout, service, identify HV components.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 3 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Discuss important safety reminders.
 2. Identify the high-voltage service plug.
 3. Explain the lockout / tagout procedure.
 4. Provide information on personal protective equipment (PPE).

Module 3: Preventive Maintenance

This module is designed to familiarize technicians with recommended preventive maintenance on a RIDE school bus.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 4 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Provide maintenance overview and schedule.
 2. Describe maintenance procedures.
 3. Provide maintenance fluid volumes and specifications.
 4. Provide maintenance torque specifications.

Silver Level

Training Stage 2 - Electrical

Module 4: Low Voltage Electrical System

This module is designed to familiarize technicians with the low voltage electrical system on a RIDE school bus.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 4 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Discuss low voltage basics.
 2. Provide an understanding of RIDE wiring diagrams.
 3. Show the locations of various low voltage components.
 4. Provide an overview of the Dinex I/O system.
 5. Identify I/O system components.

Module 5: High-Voltage Charging

This module is designed to introduce technicians to the levels, operations, and methods of high-voltage charging.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 3 Hours
- **Training Location:** Classroom / Charging Station
- **Objectives:**
 1. Familiarize technicians with the basics of high-voltage charging.
 2. Introduce charging levels.
 3. Identify various charger plug types.
 4. Illustrate the differences between AC and DC charging.
 5. Discuss inductive and pentagraph charging.

Module 6: HVAC & High-Voltage Defroster

This module is designed to provide an overview of the HVAC system and high-voltage defroster on a RIDE school bus.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 4 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Explain the working principles of the air conditioning cooling and heating modes.
 2. Describe the function of the high-voltage defroster and electric heater.
 3. Identify HVAC system electrical connector pins and functions.
 4. Provide basic disassembly and assembly procedures for the PTC driver, electric heater, and radiators.
 5. Analyze various HVAC and high-voltage defroster failures.

Training Stage 3 – Chassis

Module 7: Air Brakes & Suspension

This module is designed to familiarize technicians with the air operated system components and how they operate.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 4 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Provide an overview of the air suspension and brake system.
 2. Describe the working principles.
 3. Familiarize technicians with air brake components and their locations.
 4. Analyze various system and components failures.

Module 8: Steering System

This module is designed to familiarize technicians with the steering system on a RIDE school bus.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 4 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Provide an overview of the RIDE school bus steering system.
 2. Illustrate the components of the steering system.
 3. Describe the working principles.
 4. Identify steering system electrical connector pins and functions.
 5. Analyze of various steering system failures.

Training Stage 4 – Propulsion

Module 9: High-Voltage Power Battery System

This module is designed to provide technicians with an overview of the working principles, terminology, and failure analysis of the RIDE Power Battery System.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 3 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Provide an overview of the RIDE high-voltage power battery system.
 2. Describe the working principles of the high-voltage power battery system.
 3. Introduce high-voltage battery terminology.
 4. Illustrate the standard battery module structure.
 5. Analysis various power battery system failures.

Module 10: High-Voltage Motor Controllers & Distribution

This module is designed to introduce technicians to the RIDE high-voltage distribution system.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 4 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Introduce the RIDE high-voltage distribution system.
 2. Provide information on the working principles.
 3. Identify high-voltage system components.
 4. Discuss the high-voltage distribution box (5-in1 or 6-in-1).
 5. Explain the chassis cooling system and identify the components.

Module 11: High-Voltage Drivetrain

This module is designed to familiarize technicians with the RIDE High-Voltage drivetrain systems.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 3 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Overview of the high-voltage drivetrain.
 2. Identify the drivetrain components.
 3. Discuss the traction motor types.
 4. Provide drivetrain maintenance information.

Gold Level

Training Stage 5 – Diagnostic Tool

Module 12: Diagnostic Tool

This module is designed to familiarize and aid technicians with the diagnostic tool troubleshooting process.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 4 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Provide an overview of the RIDE Computer Area Network.
 2. Explain how to connect to the vehicle.
 3. Describe how to read the data.
 4. Provide basic diagnosis information.

Training Stage 6 – Auxiliary Systems

Module 13: Vendor Accessory Interface

This module is designed to familiarize technicians with how vendor accessories interface with RIDE buses.

- **Recommended Audience:** All technicians
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 2 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Provide an overview of vendors accessories and how they interface with a RIDE school bus.

AUXILLIARY TRAINING

OPERATOR

Operator Training

This module is designed to offer necessary training and understanding for personnel that will drive the bus.

- **Recommended Audience:** All bus operators
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 4 Hours
- **Training Location:** Classroom / Bus
- **Objectives:**
 1. Provide an overview of the vehicle.
 2. Describe walkaround inspection.
 3. Provide safe driving tips.
 4. Provide vehicle charging information.
 5. Present emergency handling measures.

FIRST RESPONDER

First Responder Training

This module is designed to offer necessary training for all First Responders to an incident or emergency.

- **Recommended Audience:** All bus operators / Local emergency response
- **Performed by:** RIDE Trainer
- **Numbers of Trainees:** Up to 10
- **Duration:** 2 Hours
- **Training Location:** Bus
- **Objectives:**
 1. Introduce the RIDE electric school bus.
 2. Explain how to identify, immobilize, and disable the bus in an emergency.
 3. Identify high-voltage components.
 4. Discuss personal protective equipment (PPE).
 5. Illustrate the Amerex fire suppression system control panel.

SCHOOL BUS SERVICE CONTACT LIST

EAST COAST FIELD SERVICE

(33 Gregg Street, Lodi, New Jersey 07644)

Primary: Danny Lambertus

Email: Danny.Lambertus@ride.co

Phone: 213-421-9055

Secondary: Li Yin

Email: li.yin@ride.co

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WEST COAST FIELD SERVICE

(46147 7th Street, West Lancaster, CA 93534)

Primary: Li Yin

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Phone: 213-255-1131

Secondary: Barry Liu

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NATIONAL FLEET FIELD SERVICE

Primary: Li Yin

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Phone: 213-255-1131

Secondary: Frank Wu

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SERVICE ENGINEERING SUPPORT

Primary: Pan Zhang

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Phone: 213-399-2380

Secondary: Barry Liu

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CUSTOMER SERVICE PARTS DEPARTMENT

Primary: Parts@ride.co

Secondary: Justina Lian

Email: Justina.lian@ride.co

CUSTOMER SERVICE TRAINING

Primary: Training@ride.co

Secondary: Lance Taeubel

Email: lance.taeubel@ride.co

ADDENDUM ACKNOWLEDGEMENT

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFO SWC240000002

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

BYD Coach & Bus LLC d/b/a RIDE Coach & Bus

Company



Authorized Signature

11/28/23

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 60130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Vehicles

Proc Folder: 1316907	Reason for Modification: ADDENDUM_1
Doc Description: VARIOUS SCHOOL BUSES FY2023-24 School Year	
Proc Type: Statewide MA (Open End)	

Date Issued	Solicitation Closes	Solicitation No	Version
2023-11-08	2023-11-28 13:30	CRFQ 0212 SWC2400000002	2

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:
Vendor Name : BYD Coach & Bus LLC d/b/a RIDE Coach & Bus
Address : 888
Street : E. Walnut St. Ste.200
City : Pasadena
State : CA **Country :** **Zip :** 91101
Principal Contact : Nianbo Yu, School Bus Sales
Vendor Contact Phone: (213) 675-1491 **Extension:**

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Vendor Signature:  **FEIN#** 46-2426380 **DATE** 11/28/23

All offers subject to all terms and conditions contained in this solicitation



ADDITIONAL INFORMATION

ADDENDUM_1 is issued for the following:

- 1) To move the bid opening date from 11/16/2023 to 11/28/2023 at 1:30 pm EST.
- 2) To attach the Vendor Questions and Answers.
- 3) To publish the Exhibit_A Pricing Pages (Revised 11/07/2023).

NO OTHER CHANGES.

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Department of Education to establish an open-end contract for School Buses. The Contract may be utilized by West Virginia State agencies and all political subdivisions of the State in all 55 counties in accordance with West Virginia Code 5A-3-11e, per the attached documents.

INVOICE TO		SHIP TO	
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER	
No City	WV	No City	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	VARIOUS BUS UNITS	0.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101500			

Extended Description:

VARIOUS BUS UNITS:

Note: Vendor shall complete the Exhibit_A Pricing Pages (REVISED 11/07/2023) for bid pricing and must attach with bid.

If vendor is submitting a bid online via wvOasis, Vendor should enter \$0.00 in the wvOasis commodity line and attach the Exhibit_A Pricing Pages to their bid.

See Section #6 BID SUBMISSION in the Instructions to Bidders document for additional information.

INVOICE TO		SHIP TO	
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER	
No City	WV	No City	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	DELIVERY TO CHARLESTON, WV	0.00000	EA		

Comm Code	Manufacturer	Specification	Model #
78121603			

Extended Description:
DELIVERY:

Note: Vendor shall complete the Exhibit_A Pricing Pages (REVISED 11/07/2023) for bid pricing and must attach with bid.

If vendor is submitting a bid online via wvOasis, Vendor should enter \$0.00 in the wvOasis commodity line and attach the Exhibit_A Pricing Pages to their bid.

See Section #6 BID SUBMISSION in the Instructions to Bidders document for additional information.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Technical Questions due by 10:00am EST	2023-11-06

	Document Phase	Document Description	Page
BWC2400000002	Final	VARIOUS SCHOOL BUSES FY2023-24 School Year	4

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

Response to Solicitation No. CRFQ SWC2400000002

WVPD for Electric School Buses



BYD Coach & Bus LLC d/b/a RIDE Coach & Bus
888 E. Walnut Street, 200B
Pasadena, CA 91101