

DIA 2 - quarta 13 de março de 2024 - Painel 6 - expositores

CRRC



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Electric Future,  benefit the world

CRRC ELECTRIC BUS SOLUTION



Bus Product Solutions

For urban bus travel, CRRC provides bus product solutions from trunk bus to branch bus to the last kilometer. The power types include pure electric, hydrogen fuel and plug-in hybrid power, providing passengers with sustainable, comfortable and convenient travel experience.

pure electric



K18



M8



X12



X6



C10



V5

hydrogen



C12FC



C10FC



C08FC

plug in



C12plug



C10plug

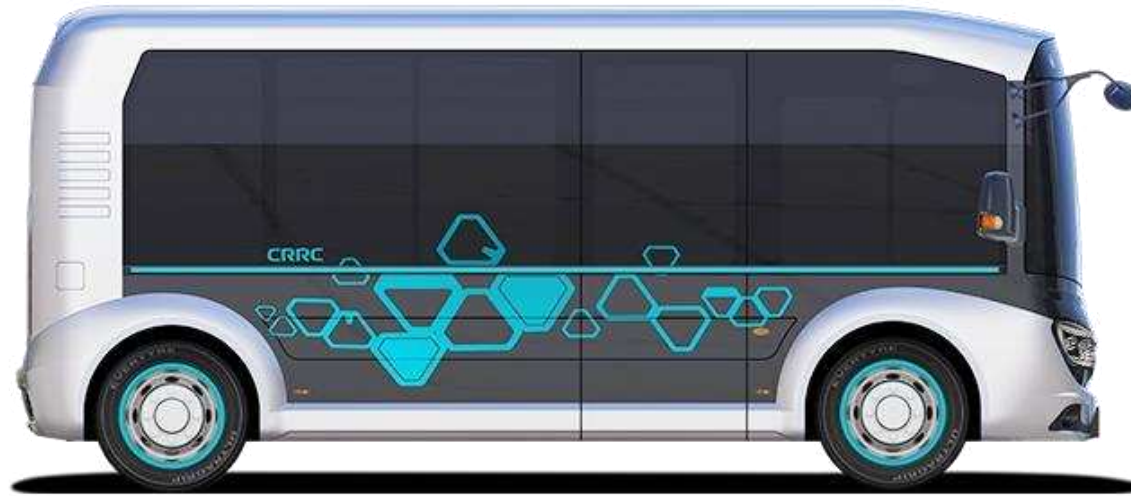


C08plug

5.3 meter pure electric bus (low capacity vehicle)



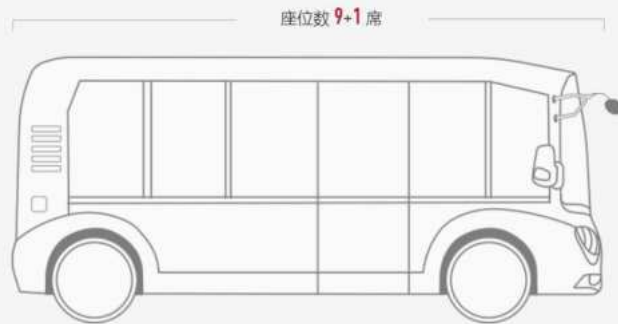
The 5.3 meter new model pure electric minibus is suitable for residential areas and industrial parks with good road conditions.



规格参数



车宽 1999 mm



车长 5330 mm

座位数 9+1 席

车高
2380
mm

- The wheel base of 5.3 meter minibus reaches 7-meter-bus standard, **Large interior space.**
- Low entrance ensure convenience
- Reasonable layout, **can carry 19 passengers**
- 2.38-meter height, **excellent stability and passability.**

5.3 meter pure electric bus (low capacity vehicle)



Humanized interior design: Enveloping instrument table, rotary gear switch and other design, to provide drivers with a humanized driving environment

Integrated equipment box: Cozy, beautiful and easy to test&maintain

One-piece construction roof: More beautiful and practical

Interior light design: Top surround atmosphere light, ring light LED ceiling light, to create a comfortable riding environment

Floating handrail bar: Easy to clean improve the efficiency of personnel through, easy for passengers to grasp

Separate driver driving area: Safe and modern design let the driver enjoy driving





5.3 meter pure electric bus (low capacity vehicle)



Model TEG6530BEV		
Overall dimension (mm)		5330*1999*2380
Wheel base (mm)		3500
chair		9+1
Total mass (kg)		5000
Approach angle/departure angle (°)		13/22
project		Technical configuration parameters
Electric drive and control system	Drive motor	Permanent magnet synchronous motor, peak power (kW)/peak torque (N.m): 105/320
	Energy storage device	Lithium iron phosphate battery, 70.18kWh
	Motor controller	Integrated controller
chassis	suspension	Few leaf spring
	Front axle	2.2T
	Rear axle (axle)	2.8T
	tyre	215/75R17.5
	Rim	six×17.5 (aluminum alloy)
	braking system	With energy storage spring braking, electric transmission auxiliary braking, ABS anti lock, dual circuit air braking
body	Passenger door	Pneumatic double external swing door, middle door
	Interior	Aluminum alloy decorative plate, with atmosphere light
electrical	Air conditioner model	Front and rear double evaporators, inner roof installation, single cooling
Other configurations		Full load bearing, cage body, steel stamping outer covering, combined headlights on the front wall

6 meter pure electric bus (low capacity vehicle)



The new 6-meter pure electric city bus is applicable to small cities.

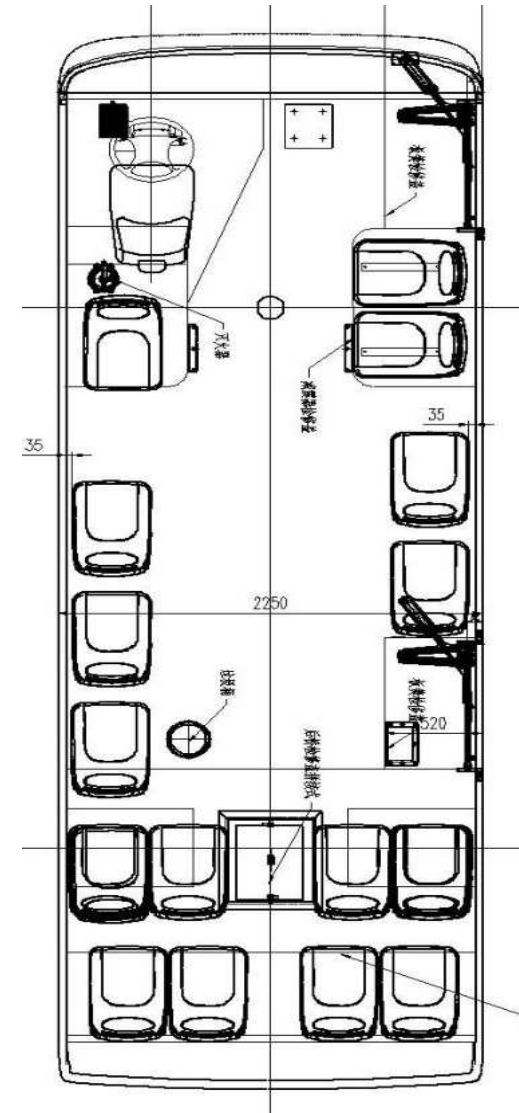


6 meter pure electric bus (low capacity vehicle)



Model TEG6661BEV		
Overall dimension (mm)	6645×2250×2870, 3020	
Front suspension/wheelbase/rear suspension (mm)	1725/3400/1520	
Passenger capacity/seat	41/10-22	
Total mass (kg)	9500	
Approach angle/departure angle (°)	10/13	
project		
Technical configuration parameters		
Electric drive and control system	Drive motor	Permanent magnet synchronous motor, power: 60/100 (kW)
	Energy storage device	Lithium iron phosphate battery, 83.6-125.7kWh
	Motor controller	Integrated controller
chassis	suspension	Less leaf spring front 3 and rear 4
	Front axle	3.5T
	Rear axle (axle)	6T
	tyre	All steel radial tire 215/75R17.5
	Rim	six×17.5;Steel (optional: aluminum alloy)
	braking system	With energy storage spring braking, electric transmission auxiliary braking, ABS anti lock, dual circuit air braking
	Passenger door	Pneumatic, aluminum alloy, front single back single inner swing
body	Surrounded by drivers	Optional: aluminum alloy full enclosure
	Handrail	Plastic coated steel pipe, diameter 32mm, yellow (optional: aluminum alloy, stainless steel)
	Air duct	GFP material integral type (optional: panoramic aluminum alloy air duct)
	Air conditioner model	Single cooling electric air conditioner, cooling capacity 15000 kcal
Other configurations	Vehicle cathode electrophoresis, full load body	

Optional seats 10-22 (including driver's seat), 16+1 seat layout:



8 meter pure electric bus (medium capacity vehicle)



The 8-meter pure electric city bus is built for modern cities and is suitable for branch bus in large and medium-sized cities and trunk line bus in small cities.

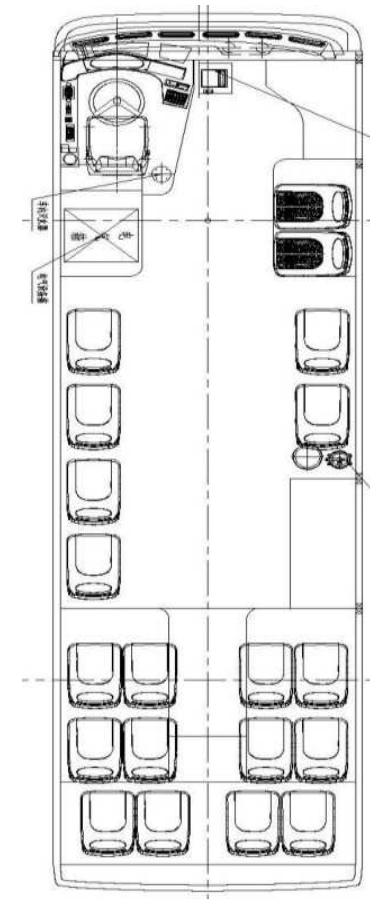


It is integrated with the urban environment to build a beautiful landscape of the city, integrated headlights, and angel eye modeling design.

8 meter pure electric bus (medium capacity vehicle)



The number of optional seats is 14-29 (including the driver's seat), and the layout of 20+1 seats is as follows:



Model TEG6803BEV		Model TEG6853BEV	
Overall dimension (mm)	8040×2400, 2450, 2500×3000, 3150, 3200		8540×2400, 2450, 2500×3000, 3150, 3200
Number of seats	14-29		14-29
Total mass (kg)	12500		13000, 13500, 14500
Approach angle/departure angle (°)	9/10		9/9, 10/10
project	Technical configuration parameters		
Electric drive and control system	Drive motor	Permanent magnet synchronous motor, power: 80/135 (kW)	Permanent magnet synchronous motor, power 80, 90/150/175/190 (KW)
	Energy storage device	Lithium iron phosphate battery, 114.5~175.03kWh	Lithium iron phosphate battery, 163.36-229.05KWH
	Motor controller	CRRC integrated controller	CRRC integrated controller
chassis	suspension	Few leaf spring	Less leaf spring, empty suspension
	Front axle	4.5T, disc type	5T, disc type
	Rear axle (axle)	8T, disc/drum	8.5T, disc/drum
	tyre	245/70R19.5;18 levels	245/70R19.5-18 levels
	Rim	seven point five×19.5;Steel (optional: aluminum alloy)	seven point five×19.5;Steel (optional: aluminum alloy)
body	braking system	With energy storage spring braking, electric drive auxiliary braking ABS anti lock, dual circuit air braking	With energy storage spring braking, electric drive auxiliary braking ABS anti lock, dual circuit air braking
	steering system	Integral hydraulic power steering gear	Integral hydraulic power steering gear
	Passenger door	Pneumatic, aluminum alloy, front single rear double inner swing	Pneumatic, aluminum alloy, front single rear double inner swing
electrical	Air conditioner model	Single cooling electric air conditioner, cooling capacity 2000 kcal (Optional: electric air conditioner with cooling and heating capacity of 22000 kcal)	Single cooling electric air conditioner, cooling capacity 24000 kcal (Optional: cooling and heating electric air conditioner, cooling capacity 24000 kcal)
	Defrosting system	With driver's area air outlet, high voltage electric defroster 4kw	With driver's area air outlet, high voltage electric defroster 4kw
Other configurations	Vehicle cathode electrophoresis, full load body, integrated auxiliary system (integrated electric steering pump, air compressor, water pump)		Vehicle cathode electrophoresis, full load body Integrated auxiliary system (integrated electric steering pump, air compressor, water pump)

10 meter pure electric bus (medium capacity vehicle)



High speed rail level interior positioning, high mute technology, comfort index increased by 30%
The maximum number of designed seats is 31, and the rated passenger capacity is 90

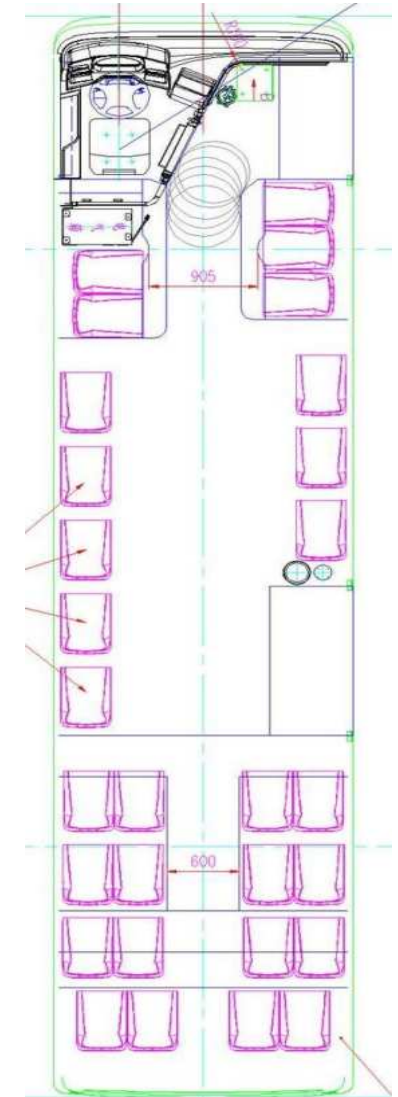


10 meter pure electric bus (medium capacity vehicle)



Optional seats 20-39 (including driver's seat), 29+1 seat layout

Model TEG6105BEV		
Overall dimension (mm)	10500×2500×3380, 3280, 3150	
Front suspension/wheelbase/rear suspension (mm)	2265/5800/2435	
Number of seats	20-39	
Total mass (kg)	18000	
Approach angle/departure angle (°)	8/9, 7/9	
Step structure project	The first step is the entrance, low floor, and the second step	
Technical configuration parameters		
Electric drive and control system	Drive motor	Permanent magnet synchronous motor, power: 100, 120/200/240 (kW)
	Energy storage device	Lithium iron phosphate battery, 200.54-338.4kWh
	Motor controller	Integrated controller
chassis	suspension	Air suspension, front 2 and rear 4 airbags
	Front axle	7T
	Rear axle (axle)	11T
	tyre	11R22.5 or 275/70R22.5, 18 levels
	Rim	eight point two five×22.5;Steel (optional: aluminum alloy)
	braking system	With energy storage spring braking, electric transmission auxiliary braking, ABS anti lock, dual circuit air braking
body	Passenger door	Pneumatic, aluminum alloy, front double back double inner swing
	Surrounded by drivers	Aluminum alloy full enclosure
	Handrail	Plastic coated steel pipe, diameter 32mm, yellow (optional: aluminum alloy, stainless steel)
	Air duct	Foam air duct (optional: panoramic aluminum alloy air duct)
electrical	Air conditioner model	Cooling and heating electric air conditioner, cooling capacity 30000 kcal
	Defrosting system	With driver's area air outlet, high voltage electric defroster 4kw
Other configurations		Vehicle cathode electrophoresis, full load body



12 meter pure electric bus (high capacity vehicle)



C12 is applicable to trunk line in large and medium-sized cities, and is a practical vehicle specially developed and designed to adapt to different urban environments



- Create a subway standard, with a low floor layout, one-step boarding experience, making it easier for passengers to get on and off the bus;
- The area of low floor in the bus has increased by more than 2 m², and the standing area of passengers has increased by 20% compared with the products of the same length bus;

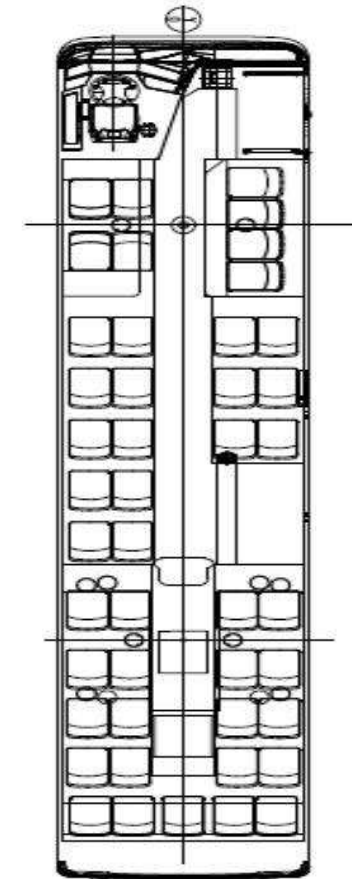


12 meter pure electric bus (high capacity vehicle)



Model TEG6125BEV		
Overall dimension (mm)	11950×2540×3280	
Passenger capacity (number of seats)	87/21-46	
Total mass (kg)	18000	
Approach angle/departure angle (°)	7/7	
project	Technical configuration parameters	
Electric drive and control system	Drive motor	Permanent magnet synchronous motor, power: 100/200 (kW) or 150/200 (kW) Or 165/240 (kW)
	Energy storage device	Lithium iron phosphate battery: 315.07, 338.4kWh;
	Motor controller	Integrated controller
chassis	suspension	Air suspension, front 2 and rear 4 airbags
	Front axle	7.5T, disc type
	Rear axle (axle)	13T, disc/drum
	tyre	11R22.5 or 275/70R22.5, 18 levels
	Rim	eight point two five×22.5;Steel (optional: aluminum alloy)
	braking system	With energy storage spring braking, electric transmission auxiliary braking, ABS anti lock, dual circuit air braking
	Passenger door	Pneumatic, aluminum alloy, front double back double inner swing (three or four doors are optional)
body	Surrounded by drivers	Aluminum alloy full enclosure
	Handrail	Plastic coated steel pipe, diameter 32mm, yellow (optional: aluminum alloy, stainless steel)
	Air duct	Foam air duct (optional: panoramic aluminum alloy air duct)
	Air conditioner model	Cooling and heating electric air conditioner, cooling capacity 32000 kcal
electrical	Defrosting system	With driver's area air outlet, high voltage electric defroster 4kw
Other configurations	Cathodic electrophoresis, full load body, 24H safety monitoring system	

The number of optional seats is 22-46 (including the driver's seat).
45+1 seat layout:



18 meter pure electric BRT (high capacity vehicle)



Main Technical Parameters and Features of the Dakar BRT



Vehicle structure	Articulated type	
Body dimensions (mm, L/W/H)	18750/2550/3715	
Axle load (kg)	8000/11500/12500	
Suspension	Air suspension	
Floor profile	High floor	
Total passenger capacity	150 passengers, including: 54 seats + 94 people standing area + 1 wheelchair area + 1 driver seat	
Battery brand	Yiwei Lithium Energy	
Battery capacity (kWh)	525	
Range (km in service)	250	
Motor brand	CRRC	
Motor peak power (KW)	350	
Tyre size	Front wheel	Middle and rear wheels
	315/70R22.5	275/70R22.5

Shanghai 18-meter BRT Project Introduction 中国中车 CRRC



This pure electric BRT vehicle was designed with respect to the European standards, featuring "high value" , "high quality" and "zero emission" service, ensuring the requirements of Shanghai Expo and serving the multi-level and diversified travel needs of the majority of people in Shanghai.

Guangzhou 18-meter BRT Project Introduction



This 18-meter BRT bus, developed by CRRC, incorporates the characteristics of urban travel in Guangzhou, and features large space, high passenger capacity, comfortable ride, and elegant appearance. Currently more than 100 units of this model has been manufactured.

Highway Vehicle Product Solutions



In order to fully meet the needs of long, medium and short distance passenger transport, intercity passenger transport, rural passenger transport and other market segments, CRRC has continued the exquisite European technology. Starting from the characteristics of different market segments and user needs, it has developed large, medium and small pure electric and traditional road buses with different lengths, covering 9 to 12 meters in length.

electric



F9EV



F11EV



F12EV

fuel



F9



F12 (single gear)



F12 (double gear)

Component Solution

CRRC has the ability to make its own parts such as drive system, battery system, on-board electronic equipment and key assemblies

Driving



Electric chassis



Controller



Transmission



Three in one
assembly



Fuel cell DC/DC

Battery



Battery PACK



Ground energy
storage device



Standby power supply of base

On board electronics



Control module



Dashboard



Intelligent dispatching all-
in-one machine



Intelligent vehicle terminal

Key assembly



Air condition



Integrated auxiliary
system



Intelligent drainage system

**Uprightness and righteousness,
good deeds and good achievements**

