

Nanjing Golden Dragon Bus Co. Ltd (Skywell)

# NJL6129BEV



Electric Bus Specification / English Version



# Configuration of NJL6129BEV Full Electric

	Item	Specification
<b>Bus Specification</b>	Overall Dimensions (mm)	12000 x 2550 x 3300
	Wheel Base (mm)	5900
	Overhang Front/Rear (mm)	2780/3320
	App./Dep. (Angle)	7°/7°
	Passenger Door Clear Width (mm)	≥ 1100
	Step Ground Clearance (mm)	≤ 340
	Passenger Door Height (mm)	≥ 2000
	Ground Clearance (mm)	116
	Maximum Gradeability (%)	≥ 20
	Minimum Turning Diameter (m)	≤ 22
	GVW (Kg)	19000
	Curb Weight (Kg)	12900
	Passenger Capacity	Option 2: (Totally 84) 34 seated+49 standing +1 wheelchair
	Max. Speed (Km/H)	≤ 80
	Battery Capacity	322 Kwh
	Axel Ratio	6.2
	Charging Time	2.5 Hours (20%-80%)
Milage	≥ 250 Km (Guaranteed Min 250 Km with full load and A/C)	
<b>Chassis System</b>	Front Axle	ZF RL82EC, front independent suspension (Low Entry) 8.2T
	Rear-Axle	ZF AV132, Portal type rear axle, 13T
	Suspension	Front:2, Rear:4, Air-Suspension, Sachs shock absorber
	Steering System	Hydraulic power
	Driven Brake System	Dual-circuit air brake system, front disc, rear disk
	Parking Brake	Hand brake, energy storage spring parking system
	Auxiliary Brake	Energy recovery brake
	ABS+EBS+ECAS	Equipped (Knorr brand)
	Rims	22.5×8.25 aluminum alloy (Safeway Brand) – 7Pcs
	Tire	275/70R22.5 Tubeless tire (Michelin) – 7 Pcs
	Steering Wheel	480-II type
	Steering	Bosch 8098
	Cooling Water Tank	ATS (Intelligent cooling system)
	Centralized Lubrication	Centralization lubrication
	Air Cylinder Drain Valve	Air cylinder drain valve
	Wheel Cover	Not Equipped
	Body Structure	Unitary construction body
	Body Anti-Corrosion Technique	Electrophoretic deposition (ED) for body frame
	Step	One step, Low entrance
	Floor Leather	8089 Fire-resistant/Anti-slippery/Environmental/Anti-wearing
	Floor	18 mm PVC
	Front Windshield	Laminated safety glass
	Rear Windshield	Tempered glass

<b>Vehicle Body System</b>	Side Windows	Adhesive side windows. Fully enclosed double-glazed dark grey glass with 4 small openings in top side of 4 windows. Driver side with UV protection
	Compartment Door	Aluminum
	Air Ventilator	2 with ventilation fan
	Launder	One piece Launder
	Passenger Door	Pneumatic front and middle inner swing doors. Net opening $\geq$ 1100mm
	Outer Rear-View Mirror	Electric rear-view mirror
	Inner Rear-View Mirror	One round mirror
	Driver Fence	Aluminum alloy surround
	Driver Seat	MSG 90.6P-LINEA/TOUREA (Grammar Brand). Airbag damping and 6 directions adjusting function. The driver seat is retractable and of 3-point belt.
	Passenger Seat	Soft face bus seat
	Inner Roof Plate	ABS blister molded interior, Aluminum plastic roof
	Side Plate	PVC
	Sunshade	Driver side window and sunshade and windscreen sunshade
	Curtains	Equipped
	Handrail Assembly	Steel alloy handrail
	Hanging Ring	Equipped
	Air Passage	Aluminum alloy air duct
	Safety Hammer	8 with alarm safety hammer
	Passenger Exit Door Bell	Equipped
	Tooling Box	Equipped, 1 tooling box
Paint	Metallic painting	
Others	Wheelchair area, Wheelchair overturn	
<b>Electrical Configuration</b>	Fire Extinguisher	Automatic fire extinguishing device for all high-pressure compartment and all battery compartment, 2*4kg Dry powder fire extinguisher
	Safety Assistant Installation	Auto Hold system helps the bus from sliding downward while it stops on a slope.
	Storage Battery	Maintenance free battery, 2*100AH
	Dashboard	Integral foaming dashboard
	Can Instrument	With can instrument + module (Honorsun)
	Windscreen Wipe	Double Swing Wiper
	Bus Station Broadcaster	Equipped
	Reversing Buzzer	Equipped
	Horn	Woofers: CCH B; Tweeter: CCH B.
	IC Card Machine	Reserved installation position and line
	Tachograph	Equipped (Digital Type)
	Digital Clock	Equipped
	High Position Brake Lights	Equipped
	Lights	Front fog lamp; rear position lamp and brake lamp; license lamp; side steering lamp; near light: J100L 24V; high light; front combination lamp (front/front steering lamp); rear fog lamp with reflector; rear steering signal lamp; rear profile lamp; side flag lamp; front profile lamp
	Audiovisual Systems	MP3 player
	Reversing Monitor	7-inch screen, 7 cameras with recording function
Electric Defroster	Equipped	

	A/C	32000 Kcal, Cold and warm air conditioner (Songz brand)
	Low Voltage Harness	Fire retardant harness with high temperature rating of 125°C are to be used in whole EV, the harnesses of chassis have ability to endure 150°C high temperatures with fire-retardant feature
	Road Sign	Front, rear, side and inside LED display board of road information (to be programmed to show Farsi Language)
<b>New Energy Configuration</b>	Power Battery	Skysource 322Kwh, water cooling (BMS) (Skysource Brand) There are water pipes inside the battery package, and are connected to A/C, once the battery temperature reaches the designed temperature, the A/C will automatic start work and cool down the temperature
	Motor	Prestolite TM4 – TZ368XSPE300WH – IP(CODE): IP67 Maximum Net Power: 245 KW, a/at 800 rpm Maximum Net Torque: 3323 Nm, a/at 0-200 rpm Maximum 30 Minutes Power: 145 kW, a/at 2000 rpm
	Design Type	Single main motor coupled to rear axle and differential
	Charging Mouth	Euro standard Charging
	Inverter	Four in one (Huichuan brand)
	Electric Air Pump	Standard (PMSM), 3KW
	Electric Power Pump Unit	Quanxing Seiko electric steering pump (PMSM), 3KW
<b>Other Accessories</b>	Towing hooks	Front and rear
	Jack	1 standard 16-ton jack
	Reflective triangles	2 reflective fluorescent highway triangles;
	Inspection lamp	1 set
	All marks inside and outside, the operating interface of the equipment	English version /
	Daylight	Equipped
	First aid kit	1 set Equipped
	Fifth gear	2 set Equipped
	Special tools	(Tire nut socket wrench / Front axle sleeve /Rear axle main gear bearing adjusting nut socket wrench / Rear axle hub adjusting nut sleeve)
	General tools	(Various type Dual-purpose wrench / Plum wrench / Cross wrench / Word screwdriver / Needle mouth clamp / Carp pliers / Filter wrench / Pressure gauges / Valve core wrench) Reflective vest / Tire thruster







