

12-METER 2-DOOR ELECTRIC CITY TRANSIT BUS

MODEL: MB120NSE
TYPE: LEFT-HAND-DRIVE

Basic Configuration			
Vehicle Dimensions (mm)	11,980*2,490*3,280	Wheelbase (mm)	6,100
Passenger Capacity (Seats)	29 + 2 Jump Seats	Passenger Capacity (Stands)	27
Maximum Speed (km/h)	≥ 80	Turning Radius (m)	12
Gradeability (%)	≥ 20	Front/ Rear Overhang (mm)	2,730 / 3,300
Gross Weight (kg)	16,300	Curb Weight (kg)	12,700
Electrical System			
Battery Type	Toshiba Lithium-titanate Oxide (LTO)	Charging Interface	CCS Type 1
Battery Capacity (kWh)	109	Charging Time	High-Speed Fast Charging, State of Charge (SOC) 20%~80% Under 15 Minutes
Battery Lifespan	≥ 20,000 Cycles (3C Charge & Discharge Condition)	Charging Socket(s)	3
Daily Mileage (km)	Up to 400KM with 5 Charges; Single Charge ≥ 80KM	Charging Current Type	DC
Body Structure			
Bus Body	Galvanized Body Frame and Passed ECE R66 Rollover Test		
Floor Type	Low Floor, No-steps, Easily Access Design with Intelligent Side Kneeling System		
Interior	Special Heat-resistance Molding Inner Trim, PVC Trimming Panel, Stair Edge Anti-slippery Design		
Driver's Cabin	Partition with Upper glass Separated from Passenger Area, 2 Sun Visor for Windshield and Side Window		
Driver's Seats	Shock Absorption High Back Adjustable Seat with 3-Point Safety Belt		
Passenger's Seats	Comfortable Seats with 2-Point Safety Belt		
Passenger's Entry Door	Front and Middle Entry with Inward Swinging Door with Anti-trap Protection		
Accessible Reserved Space	1~2 Wheelchair Space with Fixation Belt, Guide Dog Reserved Space, Wheelchair Ramp in the Floor Near Middle Door		
Emergency Exit Door	Exit Door with Inner and Outside Handles Mounted in the Middle-left Cabin		
Emergency Roof Hatch	2 Emergency Hatches Mounted on the Front and Rear of the Roof with Ventilation Feature		
Handrail & Guardrail	Aluminum Alloy with Handles		
Windows	• Front Windshield	Laminated Curved Glass and Safety Glass	
	• Rear Windshield	No Rear Windshield but Covered with Fiberglass	
	• Side Windshield	Dark Tinted Tempered Glass with 6 Sliding Windows as Emergency Exit and 5 Bus Safety Hammer Attached	
Trailer Hitch	1+1 (Front and Rear)		
Chassis and Powertrain System			
Chassis	Monocoque Type		
Driving Motor	German ZF AVE-130 Motor In-wheel		
Maximum Output/ Torque	250kW/ 22,000Nm at 80km/h		
Gearbox	N/A		
Steering System	Electric-hydraulic System		
Front Axle	German ZF RL82A		
Rear Axle	German AVE-130		
Kneeling System	Equipped with Genuine WABCO ECAS System		
Retarder	Equipped and Combined with Motor System		
Braking System	German WABCO 4-wheel Disc System with Dual-circuit Pneumatic Air-brake Spring Energy-Storage Parking Brake		
Anti-Lock Brake System (ABS)	German WABCO ABS		
Suspension	German ZF Air Suspension, 2 in Front and 4 in Rear with Height Adjustable Function		
Tire	275/ 70R 22.5 Bridgestone Tubeless Radial Tires with Tire Pressure Monitor System (Optional)		
Rim	22.5*8.25 Aluminum Alloy Wheels		



AROUND-VIEW



SEATS & DOORS



REFERENCES



Other Equipment

Air Conditioner	Blue Star 215RT-3 Roof Mounted A/C with Panasonic 4CW074MA01 Compressor Cooling Capacity: 28,500kcal/h
Air Purifier	Electronic Air Cleaner (EAC)
In-vehicle Infotainment System	Video Player with AM/ FM Radio and Microphone
Display System	2 Sets of 20" LCD
Exterior Lighting	LED Head Lamp, Front and Rear Fog Lamps, Front, Rear and Side Indication Lamps
Interior Lighting	Ceiling Belt-type Lamps and Step Lamps
Rear-view Mirror	Electric Controlled Mirror with Defrosting Function
In-vehicle Mirror	Equipped, Manual Adjusted
Clock	Digital Clock with Temperature Display Feature
Cameras & Monitors	9 Sets of Digital Camera with Color and Night Vision Functions (4 Inside + 4 Outside + 1 Rear)
Destination Displayer	3 Sets of LED Destination Board with Multilingual Function (Front, Rear, Side)
Information Displayer	1 Set of Displayer at the Back of Driver's Cabin
Driving Warning System	Buzzer for Emergency, Turning, Stopping Warning
Passenger Charging Device	USB Charger inside Cabin
Emergency Aid Kit	Equipped
Fire Extinguisher	2 Fire Extinguishers inside Passenger Cabin

Optional Equipment

<input type="checkbox"/>	Driver Monitoring System (DMS)
<input type="checkbox"/>	Lane Keeping Aid (LKA)
<input type="checkbox"/>	Adaptive Cruise Control (ACC)
<input type="checkbox"/>	Blind Spot Information and Warning System (BLIS)
<input type="checkbox"/>	Around View Monitor (AVM)
<input type="checkbox"/>	Fleet Management System (FMS)
<input type="checkbox"/>	Digital Video Recorder (DVR) with Driver Identification Feature