

MD9 ELECTRICITY



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ALWAYS READY FOR THE TASK AHEAD



Meet the MD9 – a coach that's designed to meet all your needs and never let you down. Thanks to its reliable, robust structure and luxurious, comfortable interior, the MD9 provides drivers and passengers with a unique travelling experience. It also incorporates superior safety features and offers a fuel-saving performance.

TEMSA TECH EV SOLUTIONS

As TEMSA, we are using our own batteries and TEMSA BMS (Battery Management System) instead of supplying them.

There is a wide range of electrical products in both city, intercity and coach segments that meet all of your needs in compliance with both European and North American regulations.

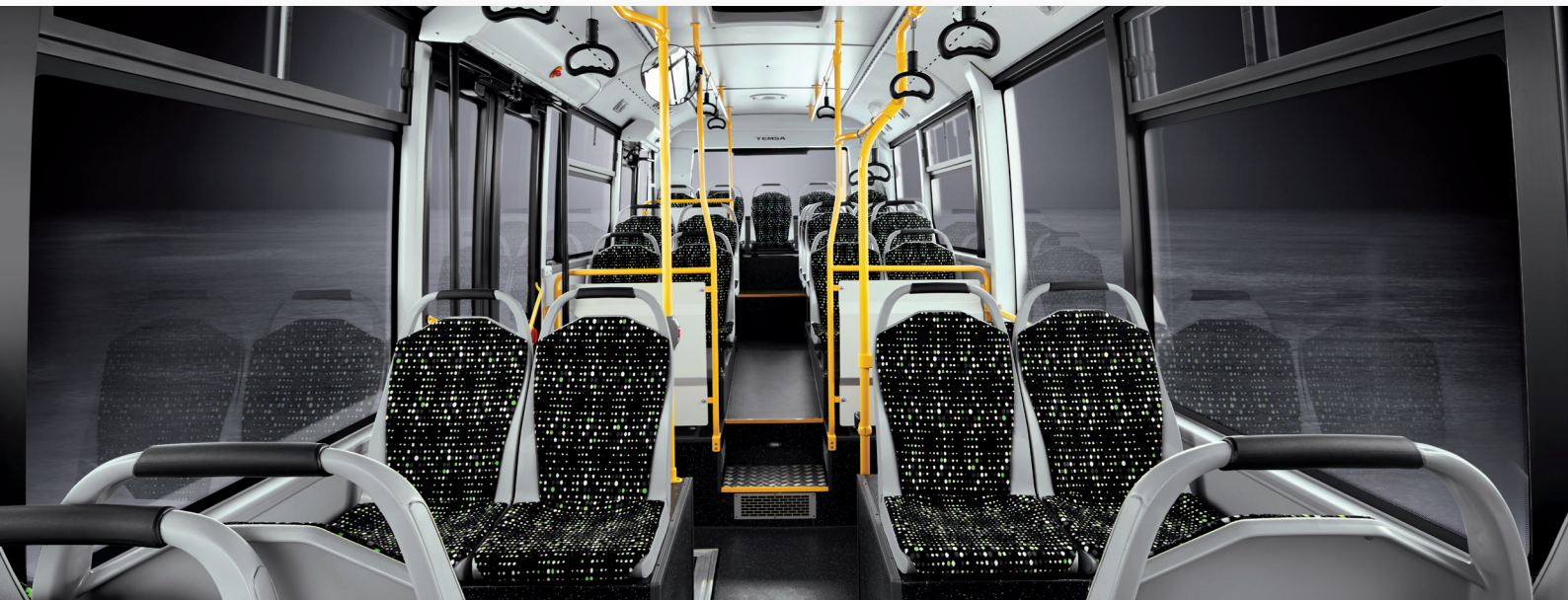
As one of the leading EV manufacturers, we are making a difference in your travels with TEMSA MD9 ElectriCITY. The quiet, powerful and modern design of MD9 ElectriCITY is reflected in TEMSA's experience with electric vehicle technology combined with proven characteristics of the MD9 diesel.

THE POWER OF SILENCE

The MD9 electriCITY has been designed with advanced technology to meet the needs of the transportation sector, drivers, passengers, cities and the environment. The power of MD9 electriCITY comes from its electrical engine with zero emission level and complete silence. Promising a clean, silent, and vibration-free drive, a ride in the MD9 electriCITY is an experience not to be missed.

A REFLECTION OF CLEAN ENERGY

The MD9 electriCITY gets the attention to its power through modest exterior design with exquisite lines extending down to the front bumper. Meanwhile, wide-view windows contrasting with the strong body proves its agile structure. The MD9 electriCITY is ready to show up in the streets with its sustainable environment ideology design.





HIGHER POWER, HIGHER EFFICIENCY

Higher efficiency meets with eco-friendly features. The MD9 electriciCITY brings peace to city with its turning radius and length that ensure maximum maneuverability, even in the narrowest streets. With its zero-emission commitment and silent performance, it reduces air and noise pollution significantly. The CCS Combo2-compatible battery system offers convenient and quick charging. You will never run out of power with MD9 electriciCITY as DC charger comes with the options of 150 kWh that completes charging in 2 hours, 90 kWh in 3 hours and 45 kWh in 5 hours. In addition, the MD9 electriciCITY offers maximum driving experience with boasting 250 kW engine power generated with a torque of 2760 Nm.



REDEFINED CONVENIENCE AND COMFORT

The MD9 electriciCITY provides options for the safety and comfort of drivers. Driver's compartment is equipped with a defroster that enables faster heating for driver's comfort, and a pre-heater of 20 kW power that can be controlled from the driver's compartment. A digital dashboard displays the charging status, speed, and warnings, while another relatively smaller display panel allows for rear-view monitoring.



Promising a silent and peaceful drive in the city, MD9 electriciCITY offers need-based alternatives for standing and seated passenger capacity. The MD9 electriciCITY comes in two and three-door models. The two-door model offers a 30+2 folding layout, while the three-door model offers a 26+2 folding layout. Similarly, the vehicle is equipped with an in-vehicle camera system that monitors different sites to ensure a safe travel experience.



ADVANCED SECURITY SYSTEMS

Best journey experiences begins with safe driving. The MD9 electriciCITY incorporates a number of safety systems to provide the highest level of support.

It also takes care your safety with its superior braking system, such as ABS, ASR, EBS, ESP.

MD9 ELECTRICITY

DIMENSIONS AND WEIGHTS

Length	9.496 mm
Width	2.400 mm
Height (incl. air conditioner)	3.132 mm
Floor-To-Ceiling Height	Front:2520mm / Rear:1860 mm
Wheelbase	4.600 mm
Front Overhang	2.056 mm
Rear Overhang	2.840 mm
Turning Diameter	16.600 mm
Approach Angle	8°
Max Passenger Capacity	55 (26 Seated / 29 Standing)
Gross Vehicle Weight	14.440 kg

POWER

Type	TM4 Permanent Magnet
Maximum Motor Power.....	250 kW
Maximum Torque	2760 Nm
Gradeability	20%

BATTERY

Type	Li-Ion Temsa
Battery Capacity	240 kWh
Charging System	CCS Combo2
Charging Time	2 hours with 150 kWh DC Charger
.....	3 hours with 90 kWh DC Charger
.....	5 hours with 45 kWh DC Charger
Location	Rear and Middle Bottom Area

AXLES

Front Axle Type.....	Independent
Front Axle Capacity	5.000 Kg
Rear Axle Type	Rigid
Rear Axle Capacity.....	9.440 kg
Differential Ratio	6,1

RIMS & TIRES

Rim	7.5 x 19.5
Tire.....	265/70/R19.5

ELECTRICAL SYSTEM

System Voltage.....	24 V
Battery.....	2 x 12 V 180Ah

STEERING WHEEL

Electro Hydraulic Steering	Standard
Steering Wheel Tilt and Telescopic	Standard

BRAKES

Service Brake.....	Standard
Parking Brake	Standard
ABS (Anti-Lock Braking System)	Standard
ASR (Anti-Slip Regulation)	Standard
EBS (Electronic Braking System)	Standard
Temporary Bus Stop	Standard

INTERIOR

Handle, Dashboard	Standard
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EXTERIOR AND BODY

Body Lifting	Standard
Body Side Kneeling	Standard
Body Kneeling	Standard
Fog Lights	Standard
Rim cover	Optional
Opaque-White Exterior Colour	Standard
Metallic Exterior Colour	Optional

DRIVER'S AREA

Sunvisor	Standard
Interior Mirror for Driver	Standard
Sliding Front Heated Driver Window	Standard
Left Armrest for Driver Seat	Optional
Right Armrest for Driver Seat.....	Optional
3 Point Safety Belt for Driver Seat	Standard

SECURITY

ESP (Electronic Stability Programme)	Standard
Fire Extinguisher.....	Standard
Low Voltage Warning	Standard
Safety Hammers.....	Standard
Circuit Separator on Battery	Standard

WINDOWS AND CLIMATIZATION

Single Side Windows	Standard
Air Conditioner	Standard
Additional Heating System	Optional
Driver's Defroster	Standard

ELECTRONIC EQUIPMENTS

Electrically Adjustable Exterior Mirrors.....	Standard
Rear View Camera	Optional
Reverse Gear Buzzer	Standard
Front Destination Plates.....	Standard

OTHER EQUIPMENTS

Random Coded Lock.....	Standard
Electrical Horn	Standard
Spare Tire.....	Optional
Manual Ramp	Standard
Ticket Machine Preparation	Optional