

AVENUE ELECTRON



THE FUTURE OF MOBILITY: THE AVENUE ELECTRON



The Avenue Electron is a TEMSA Tech product designed to take transportation to the next level. With its different battery alternatives, this silent and ultra-comfortable coach is ready to hit the road. Order your Avenue Electron now and get ready for the mobility of the future.



A HUMAN-CENTRED APPROACH

The Avenue Electron's environmentally friendly performance ensures zero noise and zero emissions, so it meets the environmental needs of smart cities.

Batteries with 230 kW, 290 kW and 350 kW options, and the Battery Management System – designed by TEMSA Tech – offer a range of alternatives.

As well as being high-performing, the Avenue Electron is also easy to maintain, as well as having a reasonable total purchase cost.



BEAUTY IN THE DETAILS

The Avenue Electron is designed to be the vehicle of choice in smart cities. Its impressive design includes LED headlights framed in black on the front mask, and bold, powerful lines going all the way down to the bumper. The lines

running along either side of the coach separate the living space of the Avenue Electron, and the wider windows give passengers a great view of the city. The striking piano black sections surrounding the vehicle contribute to its captivating 360 overview.



THE PLACE WHERE UNIQUE EXPERIENCES BEGIN

Drivers can customize the content of the multifunctional digital dashboard for their convenience. The dashboard is designed to offer a variety of crucial information during the journey, including speed and engine rpm, kilometres, battery voltage, external temperature and time needed to fully recharge

the battery. With its enhanced design, the Avenue Electron's electro hydraulic steering wheel provides greater user comfort. It offers maximum softness when the vehicle is stationary or manoeuvring and gets harder as the speed of the vehicle increases, for a more comfortable and safe driving experience.



TIME TO ENJOY NEW EXPERIENCES

The Avenue Electron's interior design features also ensure new experiences for passengers.

Users can access all relevant information easily on the multifunctional information displays. Depending on the number of seats (ranging between 31 and 35), the number of standing

passengers can be adjusted in line with your requirements. The 37 kW air conditioner keeps the interior of the vehicle cool and fresh even in the hottest weather conditions. A Video Recording System and IP Cameras ensure maximum safety for the driver and passengers.



MAXIMUM EFFICIENCY, MAXIMUM PERFORMANCE

The silent and environmentally friendly Avenue Electron is now ready to hit the road. Thanks to its 3-phase x 3 efficient permanent magnet and electrical engine and emission values, it performs in an environmentally friendly way by consuming

less power. Its 2,700 Nm @ 200 rpm engine generates 250 kW of power for a truly maximized driving experience. Its lower engine noise helps to reduce noise levels in the city while offering passengers a comfortable and peaceful journey.

MEET AVENUE ELECTRON WITH ITS ENHANCED SAFETY SYSTEMS

THE MOST COMFORTABLE JOURNEYS BEGIN WITH A SAFE DRIVING EXPERIENCE. THE AVENUE ELECTRON INCORPORATES A NUMBER OF SAFETY SYSTEMS TO PROVIDE THE HIGHEST LEVEL OF SUPPORT.

ANTI-SLIP REGULATION (ASR)

Anti-Slip Regulation (ASR) is developed to prevent loss of traction on the wheels. The ASR system helps the driver to prevent skidding, thereby allowing the vehicle to start moving even in difficult driving conditions. It also enhances driving safety on slippery surfaces, and prevents excessive wear of the tyres.

THE ELECTRONIC BRAKING SYSTEM (EBS)

The Electronic Braking System (EBS) provides an optimized level of control when braking. It is integrated into an electronic system that combines the brake control system, ABS and ASR. It produces better results in shorter braking distances, and leads to lower levels of disc wear.

THE ELECTRONIC STABILITY SYSTEM (ESP)

The Electronic Stability System (ESP) helps to protect your vehicle from the negative effects of difficult road conditions. It manages the engine's operating system, and provides a different level of traction on each wheel. Combined with different braking power for individual wheels, this provides the optimum level of traction with the road and prevents loss of control in the event of sudden steering interventions and sharp cornering.



FUTURE



AVENUE Electron

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DIMENSIONS AND WEIGHTS

Length	12.095 mm
Width	2.550 mm
Height (incl. air conditioner)	3.237 mm
Floor-To-Ceiling Height	Front: 2.424 mm / Rear: 2.389 mm
Wheelbase	5.805 mm
Front Overhang	2.757 mm
Rear Overhang	3.533 mm
Turning Diameter	20.950 mm
Approach Angle	7°
Gross Vehicle Weight	19.000 kg

POWER

Type	TM4, 3 Phase x 3, High Efficient Permanent Magnet Motor
Motor Power	250 kW
Torque	2700 Nm
Gradeability	18%

BATTERY

Type	Li-Ion NMC
Battery Capacity 1	230 kWh
Battery Capacity 2	290 kWh
Battery Capacity 3	350 kWh
Charging System	CCS Type 2
Charging Time	3 hours with 150 kWh DC Charger
.....	4,5 hours with 90 kWh DC Charger
Location	Roof

AXLES

Front Axle Type	Independent
Front Axle Capacity	8.200 kg
Rear Axle Type	Rigid
Rear Axle Capacity	13.000 kg
Differential Ratio	7.36

RIMS & TIRES

Rim	8.25 x 22.5
Tire	275/70 R22.5

ELECTRICAL SYSTEM

System Voltage	24 V
Battery	2 x 12 V 240Ah

STEERING WHEEL

Electro Hydraulic Steering	Standard
Steering Wheel Tilt and Telescopic	Standard

BRAKES

Service Brake	Standard
Parking Brake	Standard
ASR (Anti-Slip Regulation)	Standard
EBS (Electronic Braking System)	Standard

INTERIOR

Handle, Dashboard	Standard
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EXTERIOR AND BODY

Body Lifting	Standard
Body Kneeling	Standard
Body Side Kneeling	Standard
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
3 Point Safety Belt for Driver Seat	Standard
Left Armrest for Driver Seat	Optional
Right Armrest for Driver Seat	Optional

SECURITY

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

WINDOWS AND CLIMATIZATION

Double Glazed Side Windows	Standard
Air Conditioner	Standard
Preheater	Standard
Driver's Defroster	Standard

ELECTRONIC EQUIPMENTS

Monitor	Optional
WiFi	Optional
Reverse Gear Buzzer	Standard
Rear Parking Sensor	Optional
Electrically Adjustable Exterior Mirrors	Standard
Front Destination Plates	Standard
Video Record System	Optional

OTHER EQUIPMENTS

Fog Lights	Standard
Random Coded Lock	Standard
Electrical Horn	Standard
Ticket Machine Preparation	Standard
Manual Ramp	Standard