

GÜLERYÜZ

EV PANORA



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DESIGN & SAFETY

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EV PANORA meets the needs of today's and future smart cities as a new generation of fully electric buses.

Zero emission and low operating cost of the EV PANORA contribute to reducing air and environmental pollution.

Significantly lower noise generated by electrical engines integrated directly into hubs of the rear axle helps to reduce the noise level in the city. It offers passengers comfortable traveling at the same time.

EV PANORA has ideal dimensions for old city town centers. The 11-meter length allows drivers to turn quickly, even on the narrowest streets.

EV PANORA has been designed and is serially manufactured in conformity with WVTA-type approval directives.

Our customers can select many roof options without canvas, manual-operated canvas, solid polycarbonic closed roof, and closed-top city bus versions.

A customized instrument cluster integrated into the dashboard is designed as an intelligent digital-multiplex solution, giving the driver important information during the journey, including rpm, battery voltage, battery recharging warnings, etc. This instrument cluster also allows for direct diagnostic of malfunctions at crucial aggregates, ensuring the vehicle's easy serviceability.

Standard systems:

- EBS (Electronic Braking System)*
- ASR (Acceleration Slip Regulation)*
- BSB (Bus Stop Brake)*
- ELC (Electronic Leveling Control)*
- RBS (Regenerative Brake System)*
- HSA (Hill Start Aid) LWC (Lining Wear Control)*
- ADAS (Advanced driver-assistance system)*
- AVAS (Acoustic Vehicle Alerting System)*



ecofriendly
FRIENDLY

ZERO EMISSIONS

for a more liveable city

EV PANORA

EV

100%
ELECTRIC BUS

EV PANORA

PT. SRI LAYATI
EV PANORA

COMFORT

COMFORT



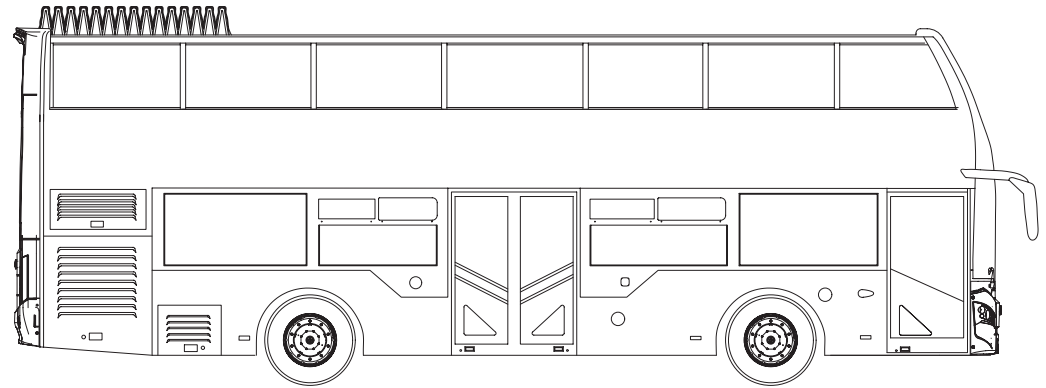
Customer satisfaction is our primary goal. Many tourists enjoy visiting city centers with city sightseeing tours. Panora is designed especially for this purpose. It has 73 sitting, eight standees, and a wheelchair passenger capacity.

The driver's cab is isolated from the passenger compartment, and the ergonomically designed dashboard ensures maximum comfort for the driver.

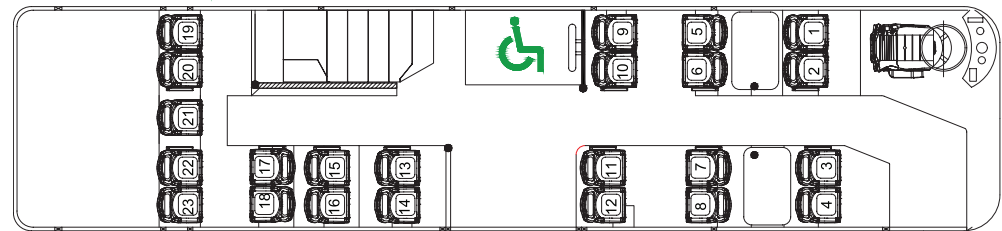
There are adjustable steering columns, comfortable pneumatic driver seats with 3-point safety belts, folding armrests, and multi-direction adjustments. An opening and closing canvas roof offers a pleasant outdoor journey on sunny and rainy days.

Locking in a short time makes the trip enjoyable in rainy weather. The air conditioner of the lower deck passenger cabin, upper deck side windows, and convector are optional.

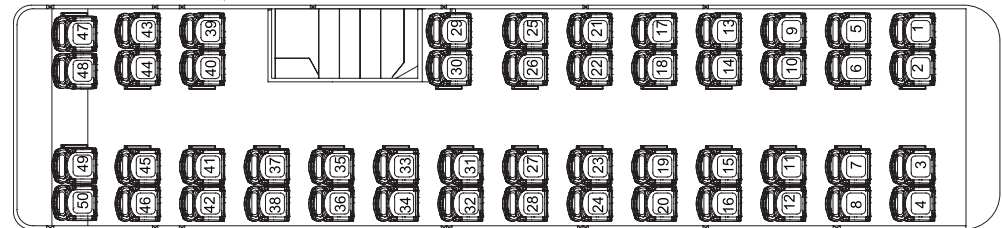
EV PANORA LAYOUT



Lower Deck 23 ♿ + 8 + 1 ♿



Upper Deck 50 ♿



Dimensions & Weights

Overall length	11000 mm
Width	2500 mm
Overall height	4000 mm
Inside height (lower deck)	1800 mm
Inside height (Upper deck)	1680 mm
Wheel base	5150 mm
Front overhang	2550 mm
Rear overhang	3300 mm
Turning radius	10500 mm
Approach Angle / Deproach Angle	Front 9°, Rear 10°
Gross vehicle weight	19500 kg

Passenger capacity

Lower deck	23+1
Upper deck	50
Standing	8
Wheelchair	1

Power

E- Engine type	ZF - Ax Trax AVE
Engine power	250 kW
Engine torque	22000 Nm

Battery

Battery type	Lithium-ion / NMC Battery
HV System	666 V
Battery capacity	280 kWh
Charging system	Combo- 2 / CCS2
Charging time	4 hours

Axles

Front axle	ZF - RL82 EC - Independent
Front axle capacity	7500 kg
Rear axle	ZF - Ax Trax AVE
Rear axle capacity	13000 kg

Tires & Rims

Rims	22,5*8,25
Tires	275/70R*22,5

Electric System

System voltage	24V
LV Battery	2x 12V 90Ah

Steering System

Electro Hydraulic Steering	Standard
Height and Tilt Adjustment	Standard

Brakes

Service Brake	Standard
Parking Brake	Standard
ABS (Anti-Lock Braking System)	Standard
ASR (Anti-Skid System)	Standard
Stall Brake	Standard
EBS (Electronic Brake System)	Optional

HVAC

AC Unit	EV - AC unit - Capacity - 30kW
Heating system	PTC Heater

Security

Low Voltage Stimulator	Standard
Mechanical Battery Breaker Switch	Standard
Fire extinguisher	Standard

Electronic Component

Monitor	Standard
Video Recording System	Standard
Electrically Controlled Exterior Mirrors	Standard
Rear View Camera	Standard
Reverse Gear Buzzer	Standard
Route And Destination Board	Standard

Exterior & Body Equipment

Monitor	Standard
Video Recording System	Standard
Electrically Controlled Exterior Mirrors	Standard
Rear View Camera	Standard
Reverse Gear Buzzer	Standard
Route And Destination Board	Standard

Driver Area

Sun visor	Standard
Interior Mirror	Standard
Side Roller Curtain	Standard
Driver's Seat heater	Standard
Right Armrest for Driver Seat	Optional
Left Armrest for Driver Seat	Optional
Sliding and Heated Driver's Window	Standard

Other Equipment

Spare tyre	Optional
Disabled Zone	Standard
Wheelchair Seat Belt	Standard
Manual Disabled Ramp	Standard

OPERATIONAL EFFICIENCY

It is a noiseless city bus with zero emissions and low operating costs.

Zero emission level means also to have a clean and green environment.

The operational expenses are far more critical than most of the elements when it comes to the selection of the bus. Güleryüz is very aware of that.

With new generation e-engines integrated directly into Ax Trax AVE rear axle of ZF and high-tech batteries and battery management system EV PANORA provides optimum driving experience and autonomy. In comparison, it promises a silent and comfortable drive inside the city.

Ax Trax AVE e-engine develops 250 kW engine power with a torque of 22000 Nm.

High-performance NMC batteries are placed in the bus's rear part, providing a total capacity of 284 kWh/h. The efficient liquid cooling system optimizes the service life of the batteries.

A battery management system is designed by GÜLERYÜZ Combo-2 / CCS2 compatible battery system convenient for complete and quick charging in 4 hours

At the same time, new facelifts and reduced weight also affect the optimization of driving autonomy.

Thanks to the robust construction, it conserves the first-day view.

EV PANORA has the most passenger-carrying capacity in its class. It has the ideal dimensions for urban use, with a length of 11 meters.

The large size of the battery and engine compartment ensures reduced service time, and component replacement is effortless. In addition, the large room provides the proper air ventilation of batteries.

We serve with a comprehensive dealer and service network around Europe and Turkey.





Gülyüz Otomotiv Sanayi ve Ticaret A.Ş.
Engürücük Mah. Yeni Yalova Yolu Cad.
No:202 16600 Gemlik - Bursa / Türkiye

T. +90 224 524 85 10-18 F. +90 224 524 86 86
info@guleryuz.com www.guleryuz.com