

# TEMSA TS45E



THE NEW VISION  
OF ENERGY

[temsa.com](http://temsa.com)





## TEMSA TECH EV SOLUTIONS

Temsa, one of the leading EV manufacturers is now launching its newest product the TEMSA TS45E for the North American market. The quiet, powerful and modern design of TS45E is reflected in Temsa's experience with electric vehicle technology combined with proven characteristics of the TS45 diesel coach. As the successor of previous electric vehicles from Temsa's product portfolio in Europe, the proven battery & battery management technology is now available for the United States and Canada.

## ENHANCED TS45 WITH ZERO EMISSION

Since the first TS45 launched for North America in 2014, hundreds of buses traveled tens of million miles on U.S. roads. With the win-win approach, Temsa is now offering its flagship product with an enhanced version of both diesel and zero-emission vehicles. Higher doors, larger windshields and extended side windows are improving the visibility while the digital cluster assists drivers to monitor the performance of all main systems including the energy storage of the coach.

## LOWERING YOUR TOTAL COST OF OWNERSHIP

Operating the TS45E will cost less than a regular diesel coach both by powering the coach and reducing the maintenance intervals. Most electric-powered components are located in the same area with easy access for service technicians. Such as the electric motor, A/C compressor, preheater, air compressor, cooling units, steering pump and low voltage generators which are now powered by electricity. This is basic math; electric vehicles save money during operation and maintenance during the life cycle of the coach.



## ONE PEDAL DRIVE

With the one-pedal drive system on the TS45E, it allows you to control the vehicle speed with just the throttle pedal. When the throttle pedal is completely released the bus starts regenerative braking. The benefits include an easier driving experience, less brake pad wear and lower maintenance cost. One pedal drive system also assists drivers in heavy traffic with minimum usage of the brake pedal which creates a smooth ride and more control.



## CONVENIENT FOR MULTI-PURPOSE OPERATIONS

The myth that batteries use all available luggage space in electric vehicles isn't true with the TS45E! While the TS45E offers spacious and uninterrupted luggage room to accommodate passenger belongings underneath the passenger compartment, the enlarged overhead parcel racks offer more room for a variety of passengers items inside the coach.



## FLEXIBLE BATTERY PACK AND CHARGING SOLUTIONS

We know operational needs vary and Temsa offers customized solutions for different ranges destinations and road conditions. The TS45E battery packaging size is flexible which allows the end-user to configure different battery sizes considering their budget and range needs. Similarly, the charging type can be configured depending on the infrastructure needs.





## GENERAL

Length	Wheelbase	Turning Radius
45'	310.8"	40.2'
Height	Front Overhang	GVWR
11'6"	78.5"	54,000 lbs
Width	Rear Overhang	Passenger Capacity
102"	112"	56
Interior Height	Underfloor Luggage Volume	
75.75"	265ft <sup>3</sup>	

## STANDARD EQUIPMENTS

Motor/Power/Torque  
TM4 Sumo HD/ 372 kW/ 3,444 Nm (2,540 ft-lb)

Body  
Stainless Steel Monocoque Integral Structure

Baggage Doors  
Aluminum, Pantograph Type

Front Axle  
ZF RL 75E -Independent, 18,078 lbs Load Capacity

Rear Axle  
ZF A 132 with 5.22 Dif. Ratio, 27,116 lbs Load Capacity

Tag Axle  
ZF A 132 with 5.22 Dif. Ratio, 27,116 lbs Load Capacity

Tag Axle  
Steerable, ZF RL75A, 16,534 lbs Load Capacity

Wheels  
22.5" Alcoa Dura-Bright Wheels

Tires  
315/80R 22.5 Continental

Steering System  
Power Steering System with Tilt and Telescopic Steering Wheel

Suspension  
Independent Suspension with Air Bags and Shock Absorbers

## ENERGY STORAGES SYSTEM

Battery Type  
Li-Ion NMC

Battery Capacity  
560 kWh

Usable SoC  
520 kWh

Range & Top Speed  
250 miles/72 mph

## CHARGING PLUG-IN

Charge Rate (kW)  
150kW Max

Charge Time (5% to 97%)  
< 4 hours

Plug/Adapter/Interface  
CCS Type 1

Location of Charge Port  
Rear Curbside

EVSE Supply Voltage, Max Current, Type  
DC, 200A, Stationary

## SAFETY

Brakes  
Bendix® ESP® System, All Wheel Disc Brakes

Electronic Stability Control (ESC), Automatic Traction Control (ATC), Antilock Braking System (ABS)

Seating  
3-Point Safety Seat Belts for Driver & Passenger

Warnings  
Brake Pad Wearing Indicator, Low Voltage, Engine Door Open

Cruise  
Cruise Control System

## ELECTRICAL SYSTEMS

Electrical System(Low Voltage)  
12-24 Volt, Continental Multiplex System , 2x12 V 225 Ah

Battery  
2x12 V 225 Ah

Lights  
LED Headlights, DRL and Fog Light, LED Exterior & Interior Lighting

Preheater  
Preheater (Electric) with 22kW / 68,000 Btu/h

Diagnostic  
Real Time Diagnostics of Electric Motor, Batteries, Multiplex, A/C System

## INTERIOR

Restroom  
Recirculating, with 16 Gallon Tank

Windows  
Rear Window and Tempered Laminated Side Windows

Seating  
56+1 Reclining Seats with Leather Headrest, Piping, Side Boxing, Footrest, Magazine Net, Rubber Cupholder

Passenger Modules  
Adjustable Air Vents, Reading Lights, Speaker

Driver Seat  
ISRI™ Air Ride 3-Point Safety Belt

Driver Shades  
Electric Two-Piece Overlapping Front Sun Visor, Manual Driver Side Sun Visor

HVAC  
Mobile Climate Control A/C and A/C Compressor  
Roof Cooling, Roof & Convector Heating

Media  
REI A/V System ECVR-6700T-AM/FM/DVD/MP3/BT  
6 15" REI Monitors, USB Plugs for Driver and Passengers

## OPTIONAL

Leather & Fabric Seat Options

Passenger Side Shades

Enclosed Parcel Racks

HDMI Media Kit

REI 360 Camera System

Second Preheater (Diesel)

Destination Sign

Braun Wheelchair Lift

REI Cordless Microphone

Driver Microphone

External DVD

\*The list of optional equipment above does not incorporate our wide offerings. Please contact your TEMSA Sales Manager for options not listed.

The TEMSA roundel and the TEMSA wordmark are registered trademarks of Temsa Skoda Sabancı Ulaşım Araçları A.Ş. The information in this publication is accurate as of its publication date (06/2025). The information herein is subject to change without prior notice. Specification may differ per country. Consult your sales representative for features and specifications that match your requirements. Copyright © 2025 TEMSA. All rights reserved.



## TEMSA NORTH AMERICA LOCATIONS

Florida  
404 Zell Dr,  
Orlando, FL32824  
Tel: +1 833-628-3672

California  
1480 Rollins Rd,  
Burlingame, CA 9410  
Tel: +1-823-628-3672