

# SIGMA

EUROPE'S BROADEST RANGE OF LOW-FLOOR  
ELECTRIC BUSES



# SIGMA

## REDEFINING ZERO-EMISSION PASSENGER TRANSPORT

Mellor, the UK's leading experts in size appropriate buses, present Sigma; the new fully electric, emission-free bus range making travel accessible for all passengers.

The Sigma battery electric bus range includes six models, from 7 to 12-metres, with GVWs from 9 to 19-tonnes, and passenger capacity from 31 to 70.

Sigma represents one of the largest ranges of low-floor battery electric buses from any manufacturer in Europe; a zero-emission, zero compromise public transport solution, from a trusted UK bus manufacturer.

This unique product range offers bus operators a complete range of battery electric buses, for clean and sustainable passenger transport.



# MELLOR EXCELLENCE 60 YEARS STRONG

We understand buses. Our UK-based designers have crafted best-in-class accessible buses for over 60 years.

Mellor has a wealth of talented engineering, manufacturing and customer care professionals, ready to look after your fleet throughout its lifetime.

We understand the need to future-proof passenger transport and make zero-emission travel a reality for bus operators, without compromising passenger accessibility.

Drawing on our unrivalled technical know-how, we believe Sigma is the answer to sustainable and accessible transport, for all bus fleets.

Sigma size-appropriate battery electric buses are designed with best-of-British expertise to make sustainable travel viable and affordable for all routes.

Manufactured to be lightweight and nimble, Sigma features advanced composites and highly durable low mass materials throughout.

- Up to 300 mile\* range
- Sizes and configurations for all routes
- Accessible for all passengers
- Full battery-electric
- Lightweight and energy efficient
- Rapid charging
- Low floor and high floor options available

\*Depending on operating conditions, model and specification

# SIGMA

CONNECTING COMMUNITIES



# ALL PASSENGERS ALL ROUTES

Sigma is designed with passengers and operators in mind. The sizes and options across our range make Sigma the perfect choice for a myriad of routes.

From constricted town centres to longer-distance rural travel, Sigma provides the answer for zero-emission transport links which connect often ignored communities, without compromise.

- No community too small
- Suits all route profiles
- Every route is viable
- Optimum size, optimum efficiency



# A SIGMA FOR EVERY ROUTE

Sigma has the size range to make all routes cost-effective, to make your electric bus work for you and your passengers.

The Mellor team will help you configure the Sigma that works best within your fleet. Each size-appropriate model allows you to maximise seat and passenger capacities, to make your new electric bus more cost effective.

Sigma capacity ranges from 31 to 70 passengers. The ingeniously packaged powertrain means Sigma provides accessibility with a spacious saloon able to meet the needs of all passengers.

$\Sigma$  = LOW MASS

$\Sigma$  = OPTIMISED BATTERY SIZE

$\Sigma$  = LOWER TOTAL COST OF OWNERSHIP

$\Sigma$  = BETTER FOR THE ENVIRONMENT



# CONSTRUCTION

Designed in the UK, built off-shore and finished in our Rochdale-based manufacturing facility, Mellor Sigma operators can look forward to the very best global engineering expertise.

Durability, quality and longevity make our commitment to a lower total cost of ownership a reality.

We work alongside globally renowned suppliers to build a bus on which you can depend.

So much so, every Mellor Sigma comes with an industry leading warranty for extra peace of mind.

# CUSTOMER CARE

Our dedicated international customer care team and skilled engineers are on hand to support your maintenance needs, keeping your bus on the road.

We have manufacturing partnerships with leading suppliers including ZF, Dana, Wabco, CATL, and Ventura, establishing parts commonality accross the whole Sigma range, from industry leading brands, to ensure all spare parts and technical assistance are readily available.

- UK wide support network
- In-territory parts
- UK based, 24 hour support
- Technical expertise



# ENGINEERING EXCELLENCE



At Mellor, we know electric buses. We are class-leaders in the size-appropriate bus sector, now bringing our engineering expertise to the Sigma range.

Mellor Sigma is manufactured to your exacting needs, with your specific operational requirements in mind.

Advanced composite materials used throughout the construction process means every Sigma model benefits from low mass, with battery capacities optimised for each model, so you only carry and pay for the power you need.

Optimised battery capacities results in reduced charging time without compromising on range and delivering lower total cost of ownership.

Sigma is the most configurable electric bus range available in Europe. Six base models in rural or city specifications mean Sigma can be fully customised to your precise requirements.

Zero emission, zero compromise.

# SAFETY & TESTING

Mellor products are subjected to an accelerated whole life durability testing programme. This allows Mellor to identify opportunities for design improvement to maximise reliability and demonstrates confidence in the product durability and integrity. Mellor conducts these programmes at a world class facility in the UK – UTAC Millbrook, alongside other major automotive manufacturers.

Our specific durability programme replicates real world operating conditions and exposes our vehicles to stress situations which highlight any potential technical risks during the life of the bus, in an accelerated period.







SIGMA 10



# THE SIGMA FAMILY

AVAILABLE IN 1 AND 2 DOOR CONFIGURATIONS



## SIGMA 7

The smallest model in the range is a 7m long, 2.1m wide electric minibus that can carry up to 31 passengers on a full flat floor platform. Rapid DC and AC charging available for maximum flexibility. The UK's narrowest EV bus, available in high floor and low floor configuration

## SIGMA 8 & 9

- Two vehicle variants in 8.7m and 9.4m length
- Narrow 2.35m wide body for optimum manoeuvrability
- Up to 60 passenger capacity
- An ideal option for efficient urban and suburban routes with demanding operating conditions
- Sigma 9 also available in high floor configuration





### SIGMA 10

A compact single deck 10.2m electric bus ideal for those routes where full size single deck buses are not suitable or uneconomical to operate. Extended range option also available

### SIGMA 11 & 12

- Full size single deck electric bus variants
- Up to 70 passenger capacity
- Maximum range based on a heavy duty chassis and battery configuration



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