



Maximum direct wheel drive power:

2 x 200 kW

Consumption:

**ap-
prox.
80 kWh / 100 km**

(sightseeing cycle 20 °C)

Battery capacity:

147 kWh

Further information online:



iav.com/en/iavcars/elcty

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**Abso-
lutely
electri-
fying!**

IAV Elcty – e-components set for commercial vehicles

IAV Elcty

Are zero emissions and quietness part of your future vision for urban mobility? With the 'IAV Elcty' e-components set, IAV is delivering an innovative and practical solution: an affordable product for bus manufacturers and operators that decarbonises public transportation and saves resources.



What is IAV Elcty?

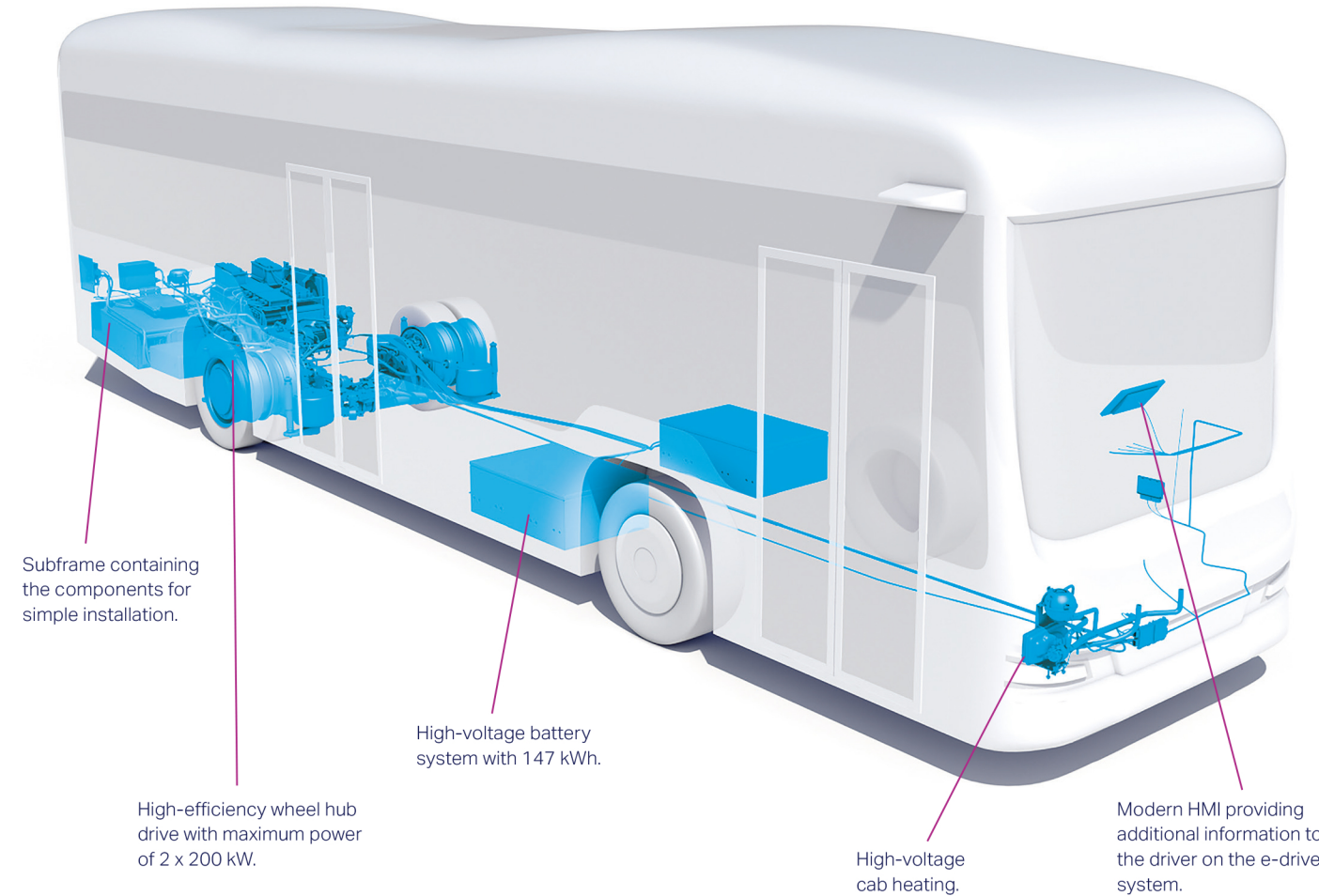
A modern e-drive conversion kit that makes it relatively easy to transform conventional diesel buses into zero emission electric vehicles by replacing the combustion engine drive with a high-efficiency e-drive. The 'IAV Elcty' e-components set was developed to market maturity by IAV. It can be easily installed in specially trained vehicle workshops or at bus manufacturing plants.

What are the benefits of IAV Elcty?

Existing vehicles that are retrofitted with 'IAV Elcty' deliver double benefits to the climate: not only do they operate on a zero emissions basis locally, and globally with the right electricity mix – they also save the carbon emissions associated with disposing of the end-of-life vehicle and manufacturing new ones.

The e-components set can also be installed by bus manufacturers at their production plants in the same way that purchased diesel engines were installed in the past, which saves both development time and costs. E-drives are associated with low maintenance and operating costs, yet they still meet the warranty and lifespan criteria of EU funding guidelines.

A modern drive for sustainable mobility



Features

'IAV Elcty' meets the ECE requirements for electric vehicles and is therefore a modern drive system in terms of driving functions, functional safety and HV safety. The integration of an electronic ABS system makes recuperation with brake blending possible.

Sustainability

With its ecological benefits, the e-components set contributes to the mobility transformation. At the same time, it is making an important contribution to the technology transformation – which is essential to achieving climate objectives (EU Green Deal, Paris Agreement).

Funding

With its 'Promotion of Alternative Drives for Buses in Passenger Transport' directive, the Federal Ministry for Digital and Transport (BMDV) is making the market activation and market launch of buses with climate-friendly, alternative drive systems possible.

The e-component set meets the directive's criteria. The IAV product is currently licensed for a specific type of bus and **the first funding application for retrofitting with the e-drive system has already been approved.** The retrofitted buses will soon be operating on public roads.

Further information about the applications procedure, installation and technical data can be found on our website.