

EEBUS specifications for smart charging of electric vehicles are now available for free download

Content of this Press Release:

- EEBUS facilitates integration of e-mobility with the grid
 - Broad application of EEBUS in e-mobility, charging technology and electrical industry
 - Any manufacturer may freely use the specifications – even non-members
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After the recent hands-on test at the Audi plant in Brussels with numerous participants from all industries such as SMA, E.ON or Innogy, as well as the first series integration in the networked charging system of the Audi e-tron, the EEBUS specifications for the electric vehicle charging technology are now freely available to all manufacturers. EEBUS thus creates the conditions for grid-compatible, distributed charging of electric vehicles - from residential to office buildings.

EEBUS standard available for everyone

The EEBUS communication protocol SPINE (version 1.1.1) and the detailed descriptions of all defined use cases are available on the EEBUS website. "A simple registration is all it takes. We are now moving forward, enabling everyone to use EEBUS communication in their products", says EEBUS first chairman Peter Kellendonk.

With the use cases defined in the EEBUS standard, electric vehicles and charging stations can network with an energy management system across manufacturer boundaries. All manufacturers involved thus prepare their products for the grid integration of e-mobility at an early stage, helping to minimize the need for grid expansion.

"The public release of the specifications on which several industries are already building their solutions on will foster the international adoption of EEBUS", says Peter van Praet, CCO at EVBox, one of the world's leading manufacturers of charging infrastructure. "We commit to EEBUS as bridge from our charging infrastructure into the smart home and smart building".

Many other manufacturers rely on EEBUS

EEBUS communication and its applications in e-mobility, heating and electrical engineering are already enjoying broad support today. In addition to leading manufacturers, the major industry associations VDA, VdiK, VDE and BDH also rely on EEBUS to intelligently integrate their industries' energy-relevant products into decentralised power generation systems and the Smart Grid. EEBUS has thus become the leading solution for networked energy management.

EEBUS is also gaining ground in building technology. After TQ-Systems and Hager, the electrical engineering company Schneider Electric is also integrating the EEBUS use cases into its energy management system. "With EEBUS, we enable standardized power management at the grid connection point", says Konstantin Elstermann, Head of E-Mobility & Prosumer at Schneider Electric. He emphasizes: "It is important that not only electric

vehicles, but also other large consumers such as heating and air-conditioning systems are integrated with the energy management system".

EEBUS has been firmly anchored in the heating sector for years. Here, all major manufacturers rely on standardised networking so that heat pumps and electric vehicles, for example, can coordinate their energy requirements efficiently and reliably with storage systems and the power grid.

Unified integration of private and public charging infrastructures

In order to further harmonise energy management in e-mobility, the EEBUS Initiative has been working with the Open Charge Alliance (OCA) since early 2019. While EEBUS standardizes the connectivity of energy-relevant systems in buildings, OCA has developed OCPP, the leading standard for connecting public charging points and their management systems.

The two organisations are sharing their use cases and harmonising the interfaces between their communication protocols. The aim of the cooperation is to integrate charging stations in households, commercial parking garages and public spaces into the power grid using unified technologies. This eliminates the risk of the frequently described "e-mobility blackouts". On the contrary: e-mobility is thus developing into an important grid supporting component of the future electricity market.

To download the EEBUS specifications and use case documentation, go to:

<https://www.eebus.org/media-downloads/#spezifikationen>

About EEBUS Initiative e.V.:

The EEBUS Initiative is a non-profit organization with over 70 members who are the leading stakeholders in all fields of connected home, e-mobility, energy and smart appliances. Members of the EEBUS Initiative collaborate in various working groups to establish a standardized and common language for the interoperability of connected devices. Smart heating, electric vehicles, photovoltaic systems, smart home systems, energy managers and other appliances can thus communicate seamlessly about energy management and usability. To learn more, visit www.eebus.org.

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