

SCAPE TO MARKET

Welcome to the second edition of *SCAPE to Market* – a quarterly update on the key market and policy developments relevant to the power converters for electric vehicles.

In this issue we see the trend of vertical integration of OEMs continuing on several fronts in e-mobility, joint ventures between chip manufacturers and OEMs, modularity in charging infrastructures and policy measures in favour of V2X development. Keep your ear to the ground and make sure your research & innovation matter!

MARKET

- Volkswagen will develop **pulse inverters** and **thermal management systems** in-house for their MEB. The Volkswagen drive system coming from one source offers significant efficiency and cost advantages: up to 20 percent more efficiency is possible through the optimal combination of individual components alone. → [READ MORE](#)
- Infineon and REE Automotive present REEcorner – a **modular EV platform for robotaxis, commercial vans and electric passenger shuttles**. REEcorner packs critical vehicle components into a compact module positioned between the chassis and the wheel, enabling REE to build fully flat EV platforms. → [READ MORE](#)
- EVBox, a leading manufacturer of flexible and scalable charging solutions, launches a **more compact modular DC charging infrastructure**. EVBox Troniq Modular's upgradeable power modules allow businesses to have a power output of up to 240 kW with 30 kW power modules. → [READ MORE](#)
- Wolfspeed will power future Mercedes-Benz EV platforms with their Silicon Carbide power devices, produced in Marcy, New York. This Mohawk Valley Fab is the **world's largest Silicon Carbide fabrication facility** and will expand its Silicon Carbide capacity by more than 10x with their new construction plans. → [READ MORE](#), and → [READ MORE](#) about Mercedes' EV MMA platform.

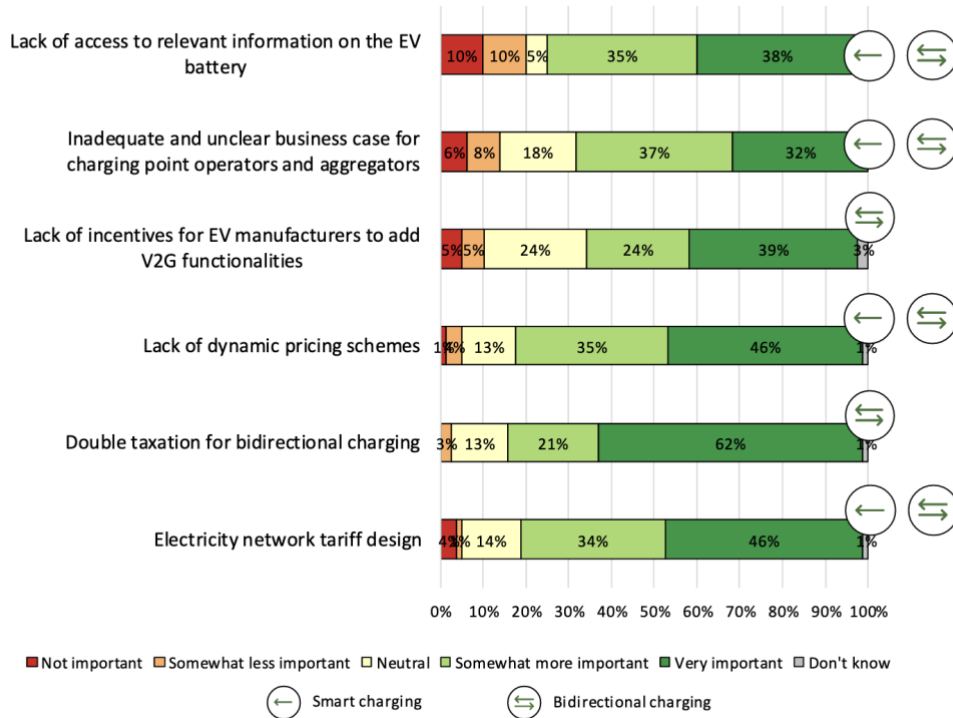
POLICY

- The EU and the US intend to develop in 2023 joint recommendations for government-funded implementation of **electro-mobility charging infrastructure**, as well as recommendations for future public demonstrations of **Vehicle to Grid Integration pilots** → [READ MORE](#)
- The European Commission has issued a study on the best practices and assessment of regulatory measures for cost-efficient **integration of electric vehicles into the electricity grid**. On the second page you will find the ranking of the most and least important barriers. → [READ MORE](#)
- Have a look at the infographic at the back with **UL and IEC standards** for EV onboard equipment and charging infrastructure! → [READ MORE](#)

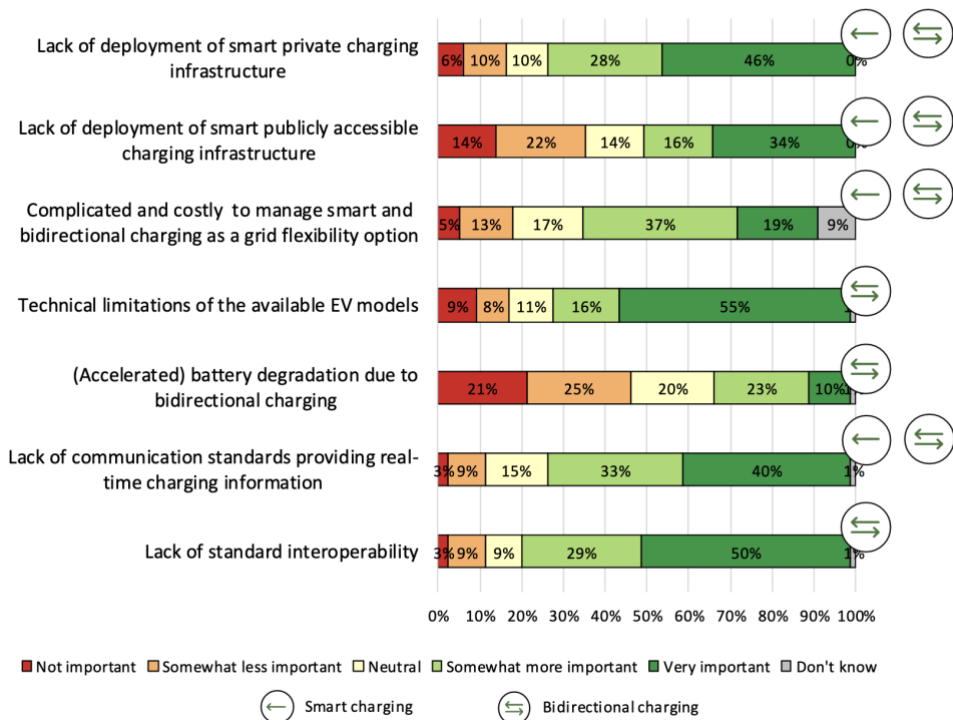


Barriers to the expansion of smart and bidirectional charging

What are the most important regulatory barriers to the expansion of smart and bidirectional charging?



What are the most important technical barriers to the expansion of smart and bidirectional charging?



EV Onboard Equipment and Charging Standards

