

Fact check: Bidirectional charging –

Key questions to ask when evaluating available solutions

Is it a proprietary solution?

- Does the solution work with all (future) vehicles?
 - Is the solution future-proof and interoperable according to IEC 61851-1 Ed. 4?
 - Is communication already compliant with ISO 15118-20 AMD 1?
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Is the vehicle manufacturer’s warranty affected?

Is the number of discharge cycles limited? Is the amount of discharged energy limited or capped?

Do other conditions – such as attached services or contractual relationships – exclude desired applications?

- Is the offer tied to a specific service provider or vendor?
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Is the system compatible with the existing energy management system, PV system, or storage system?

Does the system provide open interfaces for future EMS integration?

If the term “BiDi-ready” is used – what exactly does it mean?

- Does hardware need to be replaced or added?
 - Bidirectional charging via software update? If yes: How are the necessary hardware requirements fulfilled?
 - How does the registration process with the grid operator work according to national regulations?
 - What does the commissioning process look like?
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How is the grid and plant protection coordinated?

What is the additional investment for the overall installation compared to the expected electricity cost savings?

**Does the existing installation require extensive upgrades or modifications?
For example: Is an additional meter cabinet / meter slot required?**