

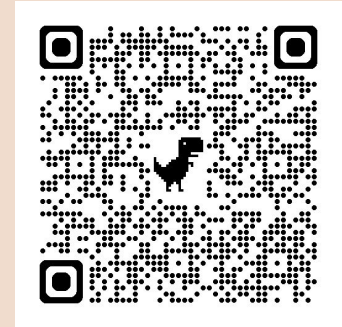
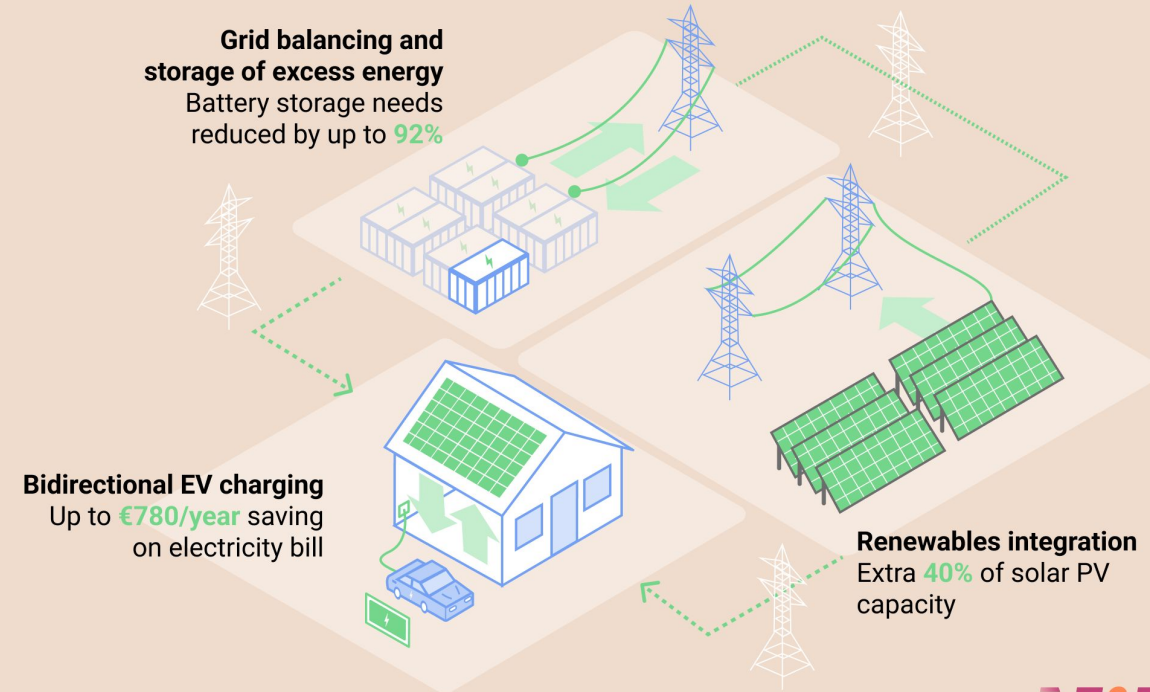
# ***Batteries on Wheels***

**The untapped potential of EVs**



# Policy recommendations

V2G can save EU energy systems €22 bn a year by 2040



Study

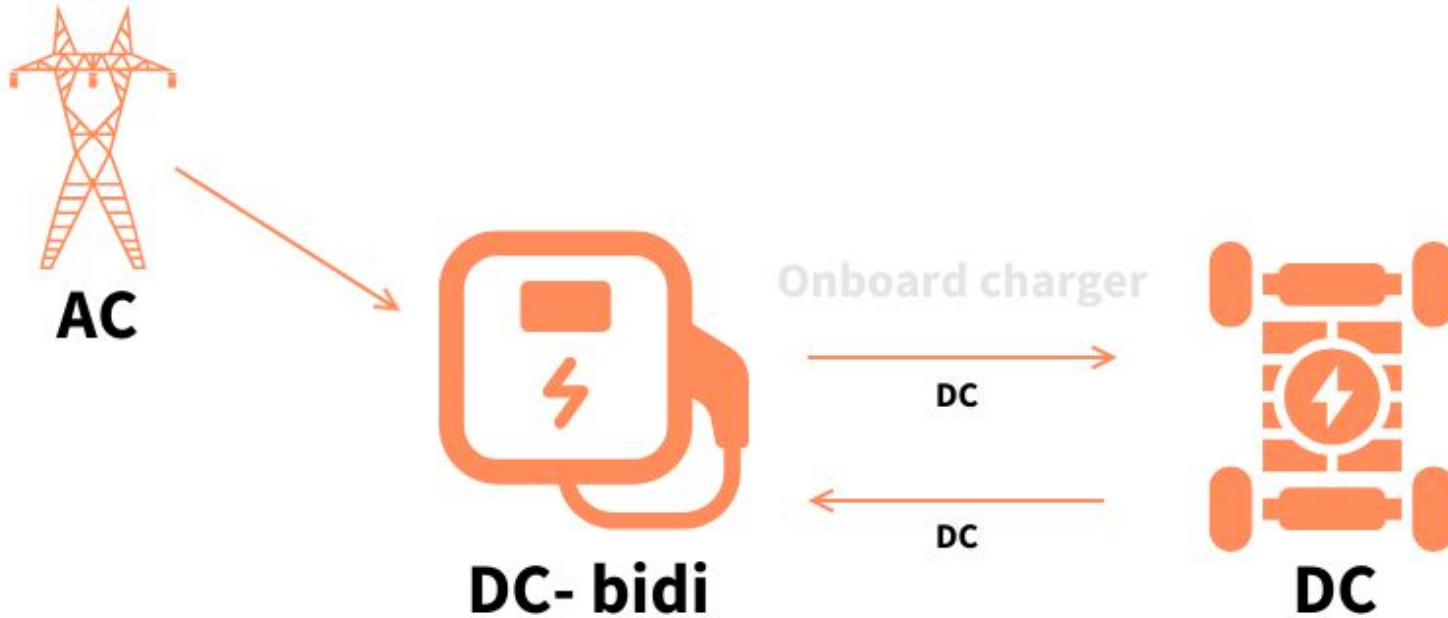
# Incentives

# Recommendations

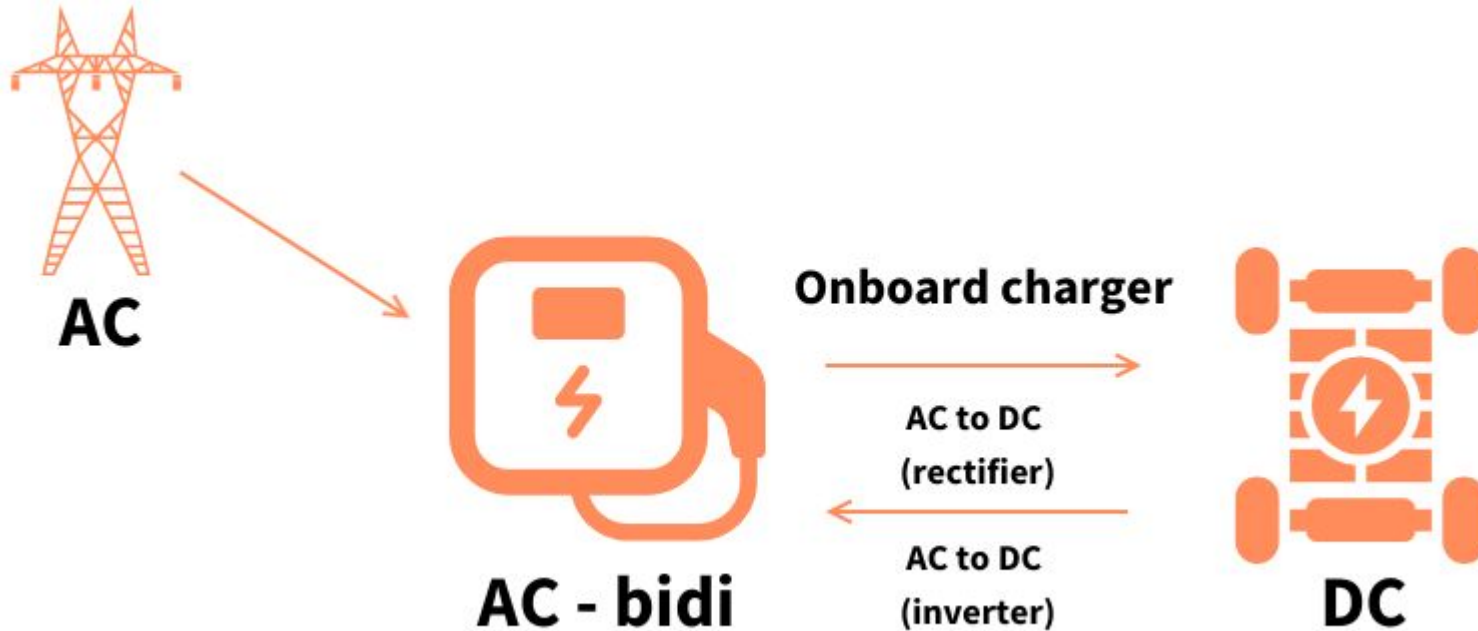
- Member states to speed up **implementation of EU's Electricity Market Design**
  - Shift from **CAPEX to TOTEX** (CAPEX + OPEX) approach in grid planning - to incentivise the usage of demand side flexibility options like EVs
  - Lower **bid-sizes** for day ahead and intraday markets to **100 kW**
  - Widespread introduction of **flexible electricity tariffs**
  - **(smart meter roll out)**
- End **double taxation**

# Interoperability

# The AC-DC question



# The AC-DC question



# Recommendations

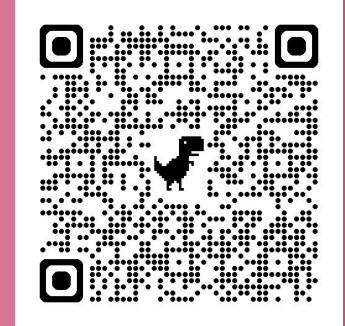
- Enable **every new EV** to charge **with every bidirectional charger** → AC and DC interoperability - **make onboard charger bidirectional** (e.g. via type approval regulation)
- Make sure **private charging** infrastructure in buildings is **bidirectional** (EPBD)
- Consider making **slow public chargers** that are used for long time periods (overnight) are **bidirectional** (AFIR)



# Thank you

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Link to study