

Individual charging solutions for companies



Technology for a new mobility

V2X: Bidirectional energy flow



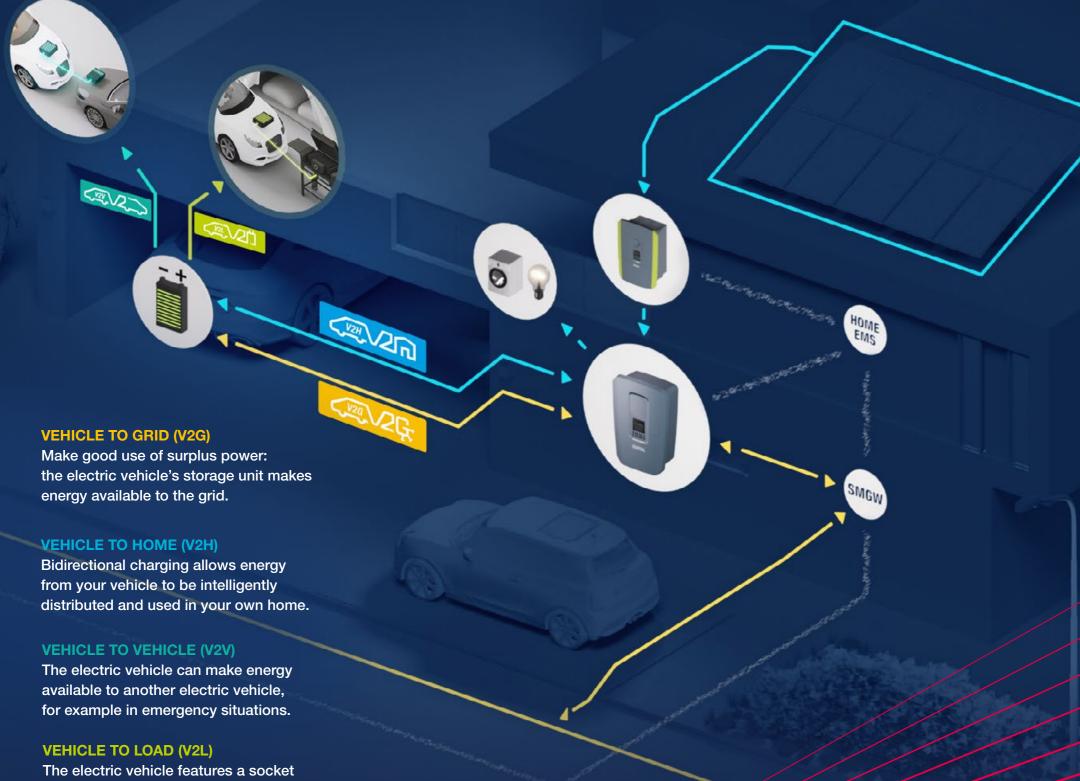
your mobility

Using the DC wallbox: BDL research project at BMW

KOSTAL is a partner to the Bidirectional Charging Management (BDL) research project. At the heart of this project lies the joint development of technological solutions for making electric mobility more convenient and cost-effective for users while reducing emissions. KOSTAL is responsible for developing, producing and providing wallboxes. Since 2021, KOSTAL has been testing the innovative bidirectional charging technology under real conditions using 50 BMW i3 electric vehicles.

The BDL research project will run for three years and is being funded by the German Federal Ministry for Economic Affairs and Energy under the responsibility of the German Aerospace Centre. The aim is to promote using renewable energy as

extensively as possible and to improve the security of energy supplies, which it is hoped will be achieved by fully linking up vehicles, charging infrastructure and power grids.



The electric vehicle features a socker for operating larger electrical devices.

Customized wallbox in your corporate design

High-end charging technology scalable to all requirements



THINK CUSTOMER-ORIENTED

Turn shopping and e-mobility into an surplus electricity into your grid,



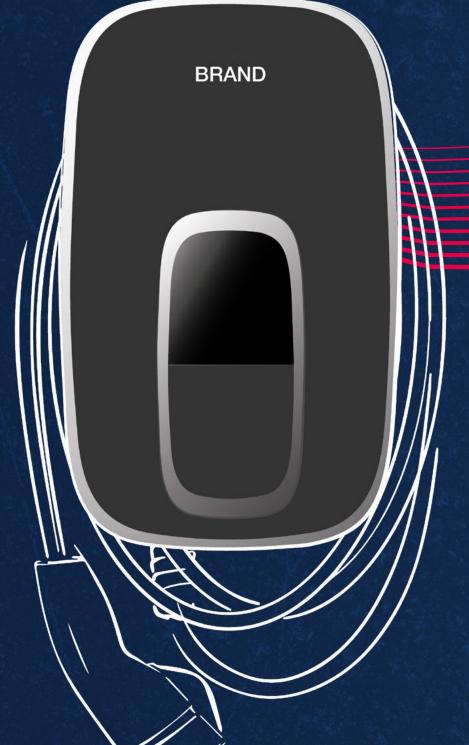
BENEFITS FOR YOUR

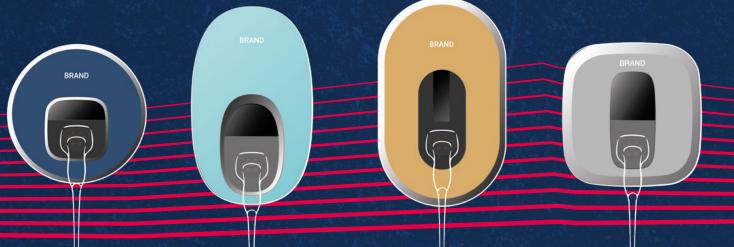
Parking spaces with charging points for staff vehicles. Vehicles can also supply surplus power to the grid in exchange for additional benefits.



fleet of vehicles or feed into the grid









- AC & DC charging
- 🖰 Bidirectional charging
- HMI / user navigation LED status display
- Authentication RFID, plug & charge, app
- Communication interfaces LAN, EEBUS, GSM
- Communication protocols OCPP 2.0.1, ISO 15118, Modbus RTU
- **Conformity with calibration law**
- Remote connection to operator systems
- Connection to energy management

Get your own wallbox in four simple steps

Plan your solution with us.



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