

CHARGING SOLUTIONS

KOSTAL

Individual charging solutions for companies

SYSTEM SUPPORT & WALLBOXES MADE IN GERMANY



Technology for a new mobility

KOSTAL^{ize}

your mobility

V2X: Bidirectional energy flow

VEHICLE TO GRID (V2G)

Make good use of surplus power: the electric vehicle's storage unit makes energy available to the grid.

VEHICLE TO HOME (V2H)

Bidirectional charging allows energy from your vehicle to be intelligently distributed and used in your own home.

VEHICLE TO VEHICLE (V2V)

The electric vehicle can make energy available to another electric vehicle, for example in emergency situations.

VEHICLE TO LOAD (V2L)

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

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.




Customized wallbox in your corporate design

High-end charging technology scalable to all requirements


THINK CUSTOMER-ORIENTED

Turn shopping and e-mobility into an experience. While they are shopping, the customer's vehicle feeds surplus electricity into your grid, which you credit to the customer when they pay.




BENEFITS FOR YOUR COMPANY

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



REDUCE YOUR OWN COSTS

Efficient use of generated energy: use the power yourself, charge a fleet of vehicles or feed into the grid and thereby cut costs.





- + Individual design
- + 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 systems



Get your own wallbox in four simple steps

Plan your solution with us.



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1
DESIGN

2
FEATURES

3
SPECIFICATIONS

4
PROCEDURE



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