Smart charging technology.
Heidelberg Wallbox Energy Control.

Safe, dynamic, cost-effective.

The attractively priced Heidelberg Wallbox Energy Control.

Dynamic site load management and short charging times

Smart load management for multiple parking spaces at a price that won't break the bank? The Heidelberg Wallbox Energy Control® makes this possible. Dynamic site load management allows several networked Wallboxes to share charging current between up to 16 hybrid or electric cars – completely automatically. The Heidelberg Wallbox is the intelligent power outlet for your electric car.

The Energy Control reliably charges all hybrid or electric cars with a maximum of 11 kW via a Type 2 connection – five times faster than at a conventional domestic outlet. Once a car is fully charged, the Heidelberg Wallbox Energy Control can continue to supply it with enough electricity to keep the stationary heating and air conditioning running. The current that is no longer needed for charging is diverted to the batteries of the other cars.

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Smart charging.
Climate-friendly driving.

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1 **Smart charging technology for electric cars**

· Suitable for apartment blocks as well as company and hotel parking lots, whether indoors or outdoors
· Compact dimensions and distinctive design
· Dynamic site load management when using two or more linked Wallboxes
· Maximum of 16 Wallboxes can be linked up
· Climate-friendly added value for renters, guests, customers, and employees
· Easy and affordable installation by an electrician at any 16 amp electricity supply
· With a maximum of 11 kW – five times faster than at a conventional domestic outlet
· Energy-saving standby mode in idle mode
· Maintenance-free, therefore no follow-up costs

→ **Interested? Further information can be found here:**
wallbox.heidelberg.com

2 **Smart interaction with your photovoltaic system**

The Wallbox Energy Control is also perfect if you produce your own electricity, for example using a photovoltaic system, since it can be connected to an existing Home Energy Management System (HEMS) via Modbus RTU. This allows the surplus electricity from the photovoltaic system to be used specifically for charging the electric cars. Conversely, the system only supplies as much solar electricity to the Wallbox as is currently available. The Wallbox Energy Control will use electricity you have produced yourself for charging if available, thus optimizing your supply to your consumption at all times.
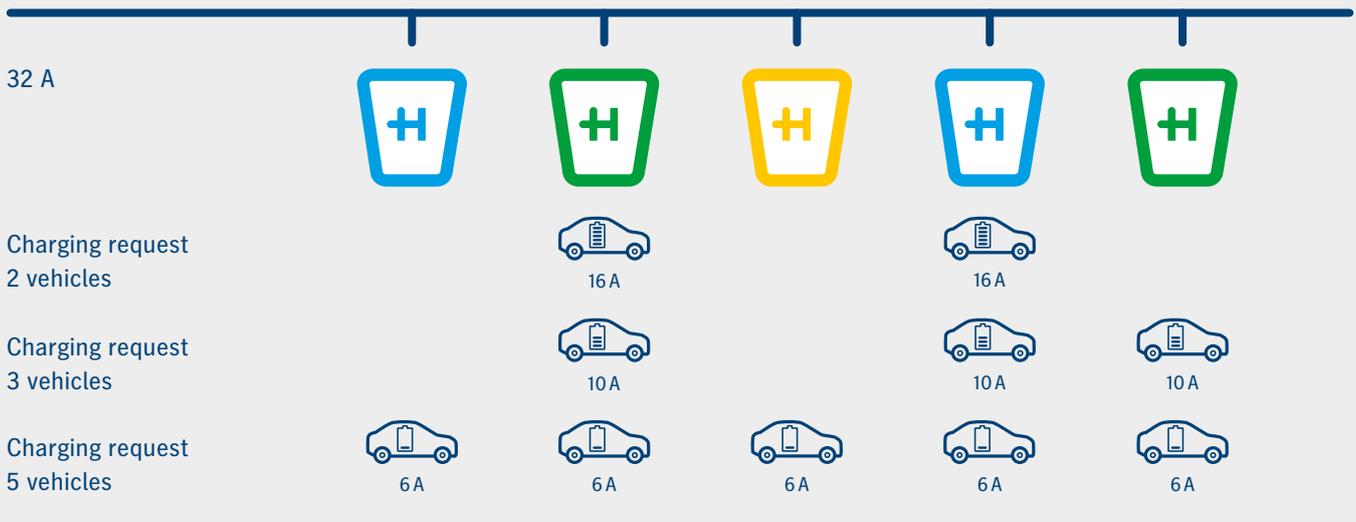
3 **Easy connection and flexible expansion**

Connecting the Wallboxes to an HEMS allows the charging system to be controlled locally and dynamically over the Internet. Depending on the manufacturer, you then also have various apps for managing costs or monitoring charging available to you. A lock can be added to the outside of the Box to protect against unauthorized charging. Connections for optional access control using RFID, key switch, etc. are also available.

Distribution strategy for the power supply.
Load management simulation.

Example 22 kW for 5 Wallboxes

32 A

Charging request
2 vehicles — 16 A, 16 A

Charging request
3 vehicles — 10 A, 10 A, 10 A

Charging request
5 vehicles — 6 A, 6 A, 6 A, 6 A, 6 A

Example 22 kW for 5 Wallboxes – management of when charging ends

32 A

Charging request
3 vehicles — 6 A, 13 A, 13 A

Example 22 kW for 5 Wallboxes – management of when charging ends

32 A

Charging request
5 vehicles — 8 A, 0 A/6 A, 8 A, 0 A/6 A, 8 A

Heidelberg Wallbox.
Energy Control.

4 Proven and robust technology made in Germany

Like the ADAC test-winning Heidelberg Wallbox Home Eco (08/2019), the Heidelberg Wallbox Energy Control is manufactured in a robust and quality-focused industrial process in accordance with the zero-defect principle. The Heidelberg Wallbox Energy Control starts at 790.00 euros (RRP including sales tax) and is available in electrical stores and wholesale as well as from certified electricians.

Technical data

Modbus RTU for external load management control	(e.g. via a HEMS)
Housing	High-quality stainless steel front
Rated current	6 to 16 amperes (adjustable)
Connection	230 volts (single-phase) or 400 volts (three-phase)
Residual current detection	6 mA DC (integrated)
Optional access control via switching element	e.g. RFID, key switch, etc.
Charging cable connection	Type 2
Charging cable length	5.0 m and 7.5 m

**➡ Do you have questions? Our hotline will be happy to help at: +49 6222 82-2266
E-mail: wallbox@heidelberg.com
wallbox.heidelberg.com**

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