

PRODUCT CATALOGUE **AMPERFIED**

EVERYTHING AT A GLANCE

EVERYTHING FROM ONE SOURCE

HARDWARE, SOFTWARE

AND FULL SERVICE

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I AM
AMPERFIED!

... because the clever, intuitive charging systems from Amperfied have convinced me and I care about our environment.



AMPERFIED. THE HEIDELBERG WALLBOX MAKERS

Amperfied GmbH is a wholly owned subsidiary of Heidelberger Druckmaschinen AG. A name which has stood for innovative solutions in the global printing and media industry for over 100 years. The sophisticated electronics in the presses and the resulting energy efficiency contributed to the company's success. Market and technology leader Heidelberg refined this expertise and has been implementing it in smart, durable eMobility charging systems since 2014.

Interested? Discover our [innovative charging solutions](#).

WE CALL THIS 'THE CLEVER WAY OF CHARGING'



HARDWARE APPLICATIONS



Charging infrastructure in compliance with calibration laws

FOR THE PUBLICLY ACCESSIBLE SECTOR

- Charging points rated up to 22 kW each
- Charging station with accessible design for users with limited mobility
- Legally watertight invoicing thanks to compliance with calibration laws
- Non-contact payment using external payment terminal

*connect.public charging station
smartEVO dual charger*



Intelligent wallboxes

FOR HOME USE, COMPANY CARS, COMPANY FLEETS AND VISITOR PARKING SPACES

- OCPP 1.6 for connection to eMobility backends
- Dynamic load management
- Integrated solar management system
- Integrated MID energy meter
- Integrated phase changeover
- Integrated RCD type A (optional)
- App control and RFID authentication

*Wallbox connect.home
Wallbox connect.business
Wallbox connect.solar*



Bestseller wallboxes

FOR USE AT HOME AND FEATURING LOAD MANAGEMENT

- Simply plug in and charge
- Inexpensive introduction to electromobility
- Static load management

*Wallbox Home Eco
Wallbox Energy Control*

FULL-SERVICE CHARGING SOLUTIONS EVERYTHING FROM ONE SOURCE

We are your reliable partner, offering everything from one source and supporting you every step of the way in building your charging infrastructure.

Full-service provider for...

- COMPANIES AND FLEETS
- PARKING GARAGES
- HOTELS AND RESTAURANTS
- THE HOUSING SECTOR
- MUNICIPAL UTILITIES AND ENERGY SUPPLIERS
- TRADE AND COMMERCE
- AND MANY MORE USES



Planning, civil engineering and installation



- Requirements and feasibility analysis
- Project design and installation
- Civil engineering works

Backend solutions



- Contract management and pricing
- Automatic invoice creation and invoicing
- Identification of the charging points via roaming/ad-hoc charging
- Multi-client capability
- Energy management

Service and support



- Amperfi Rental: small, monthly instalments instead of a large, once-off investment
- Annual maintenance in accordance with DGUV 3
- Complete operational management

CHARGING IN COMPLIANCE WITH CALIBRATION LAWS

OVERVIEW



CONNECT.PUBLIC

ACCESSIBLE FOR USERS WITH LIMITED MOBILITY IN PUBLIC SPACES

- Simultaneous supply for two vehicles with up to 22 kW each
- Large, colour display provides intuitive user prompting and is easy to read even in bright surroundings and direct sunlight
- Backend connection via OCPP 1.6 JSON/SOAP
- Optionally with integrated electric service panel
- ISO 15118 for plug & charge
- LTE with optional SIM card
- Compliant with calibration laws for legally watertight invoicing of the electricity consumed
- Accessible design for users with limited mobility
- Integrated dynamic load management for up to 250 charging points
- Secure, non-contact payment using an external payment terminal



SMARTEVO

THE DUAL CHARGER IN COMPLIANCE WITH CALIBRATION LAWS

- Simultaneous supply for two vehicles with up to 22 kW each
- Integrated dynamic load management for up to 250 charging points
- Backend connection via OCPP 1.6 JSON/SOAP
- ISO 15118 for plug & charge
- LTE with optional SIM card
- Compliant with calibration laws for legally watertight invoicing of the electricity consumed
- Optionally with two attached charging cables



INTELLIGENT WALLBOXES

OVERVIEW



CONNECT.HOME

FOR HOME USE WITH APP AND RFID

- Charging power: up to 11 kW
- Charging cable length: 5 m/7.5 m
- RFID authentication and protection against unauthorised access
- App for controlling and monitoring the wallbox – viewing the charging history, exporting the charging data and storing the electricity price
- Connection to backend systems with OCPP 1.6 (optional: secure)
- Automatic, over-the-air software updates
- Connection to a Home Energy Management System (HEMS) via Modbus TCP
- Integrated solar management system



CONNECT.BUSINESS

WALLBOX WITH MID ENERGY METER

- All functions of the connect.home
- Integrated MID energy meter for recording the consumed energy to invoice charging processes*



*Depending on the respective application and country, it may be necessary to account for national specifications relating to invoicing (e.g. compliance with calibration laws) and taxation treatment.

CONNECT.SOLAR

SOLAR-OPTIMISED CHARGING WITH PHOTOVOLTAICS

- All functions of the connect.home
- Integrated phase changeover – charging from 1.4 kW or higher solar yield by automatic changeover between single- and three-phase charging
- Combination with a PV system from any manufacturer
- Optimised charging with self-generated solar power
- Integrated solar management system with external Amperfiend PowerMeter for continuous adaptation of the charging power to the momentary power generated by the separate PV system



All wallboxes from the connect series are optionally available with an integrated type-A RCD for maximum protection, tested safety and lower installation costs. Amperfiend is thereby the first manufacturer to offer wallboxes with the globally recognised GS mark for tested safety.

BESTSELLER WALLBOXES OVERVIEW



HOME ECO

CONVENIENT CHARGING AT HOME

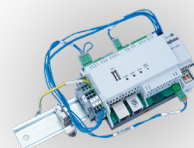
- Charging power: up to 11 kW
- Charging cable length: 5 m/7.5 m
- Suitable for carports, garages or parking spaces
- Can be mounted securely on a wall or a Heidelberg column
- Intuitive operation, extraordinary design
- Maximum protection and safety certified by TÜV SÜD



ENERGY CONTROL

LOAD MANAGEMENT WALLBOX FOR MULTIPLE USERS

- Charging power: up to 11 kW
- Charging cable length: 5 m/7.5 m
- Static load management for up to 16 networked wallboxes or dynamic load management in combination with the Combox Complete



CUSTOMISABLE FRONT PANELS



AMPERFIED APP FEATURES

Starting and stopping charging processes

Storing a price for invoicing the electricity costs

Viewing current charging data

Displaying the savings due to PV-optimised charging

Viewing the charging history

RFID authentication

Adjusting the charging current

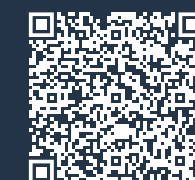
RFID card management



Solar management system (select charging settings in the app):

- Manual: charging power individually adjustable
- Eco: charging power automatically PV optimised
- Boost: charging power maximised

Download the app here



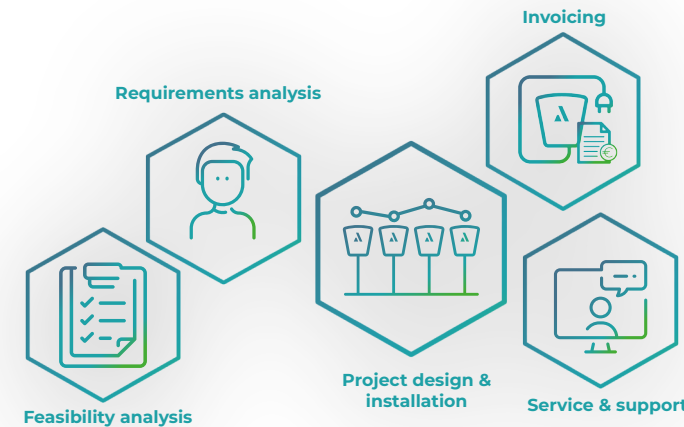
iOS



Android

FULL-SERVICE CHARGING SOLUTION

OUR OFFER



1. PLANNING, CIVIL ENGINEERING AND INSTALLATION

Planning: From feasibility and requirements analysis to project design: We help you to plan your ideal charging infrastructure step by step. The individual service components can be combined flexibly to suit specific customer requirements. This permits inclusion of the customer's sub-sections and services and thus a flexible distribution of roles in the project.

Civil engineering works: No matter whether roadworks, piping or other fundamental tasks are to be carried out, our team of experts will come to you and assess the situation on site.

Installation: Our partners throughout Germany install the hardware quickly and reliably. Any potential further extension of the charging infrastructure is technically prepared as early as during initial installation, thus avoiding costly and complicated subsequent installation work.



2. BACKEND SOLUTION

Managing the installed charging infrastructure is easy using the web interface of a **backend**. Allocating the RFID cards directly enables you to keep an eye on the consumption of individual users and implement automated invoicing. Make your charging points available to the public as well. Invoice charging times automatically in compliance with calibration laws via roaming or ad hoc.



3. SERVICE AND SUPPORT

Service: We take on complete operational management and annual maintenance in accordance with DGUV 3. What's more, our Amperfied Rental model enables you to implement your project in small instalments instead of making a large, once-off investment.

Support: Our technical support team is glad to help you at any time.



SERVICE

AMPERFIED RENTAL

Discover a cost-effective, low-investment solution for building your charging infrastructure with Amperfied Rental. With our rental model, you can use the latest charging solutions without having to make large initial investments.

BENEFITS OF AMPERFIED RENTAL

Inexpensive monthly instalment: Free yourself from large once-off investments. With our flexible subscription model, you pay only low monthly instalments.



Modularity: Design your charging solution to meet your specific requirements. Choose which service components to include in your monthly instalments – from the hardware and backend to maintenance.



No ownership risk: Benefit from top-class charging solutions without having to purchase or maintain the infrastructure. We take on all the risks, allowing you to concentrate on your core business.



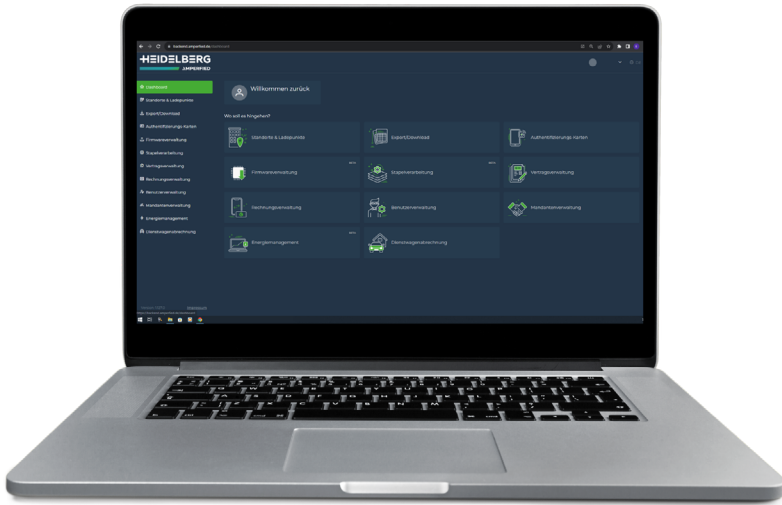
Scalability: No matter the size of your electromobility plans – our rental model will grow along with you. Add new charging points at any time, without drastically increasing the monthly instalment. The installation can be prepared for seamless extension.



Professional installation and maintenance: You can count on our expert team for trouble-free installation and reliable maintenance of your charging infrastructure. This lets you devote all your time and effort to running your business, whilst we ensure optimal operation.



BACKEND SOLUTION
FUNCTIONS



Online management of charging infrastructure and RFID cards



Flexible pricing for individual driver or user groups



Automated invoice creation and invoicing



Public charging with roaming and ad-hoc charging



Multi-client capability with separate management of the charging infrastructure and users



Always future-proof thanks to over-the-air updates

BACKEND SOLUTION
FUNCTION COMPARISON

	backend.basic	backend.pro
Web dashboard for managing the charging infrastructure	✓	✓
RFID card management	✓	✓
Mass import and allocation of RFID cards	✓	✓
Additional, custom RFID markings, e.g. number plates, cost centre	✓	✓
Manual/automated .csv exports of consumption values, users and charging points	✓	✓
Hierarchical, multi-client management with separate user and charging point management	✓	✓
Over-the-air updates	✓	✓
Contractual and flexible price management (e.g. per kWh, per charging process, blocking fee, subscription model)		✓
Automatic invoice creation with custom stationery and text		✓
Automated invoice despatch by email		✓
Fully automated invoicing		✓
Identification of charging points via Hubject roaming platform		✓
QR code-based, ad-hoc charging		✓
Energy management integrating PV system and/or battery storage system (beta)		✓

Fully automated invoicing and ad-hoc charging will require concluding a separate contract with a compatible payment provider to handle payments, similar to the procedure in online shops. We will gladly advise you regarding payments and assist you with a reliable payment partner.

Full-service offer for...

Companies and fleets
Parking garages
Hotels and restaurants
The housing sector
Municipal utilities and energy suppliers
Trade and commerce

FOR EVERY USER GROUP THE RIGHT CONCEPT



CHARGING THE COMPANY FLEET

Would you like to ensure that your company fleet is always ready to go and monitor the fleet consumption values at all times? This couldn't be easier with our solutions. Charge company cars for free or invoice the electricity consumption internally. Monitoring the consumption of individual fleet vehicles is straightforward by assigning RFID cards and using a web interface.

CHARGING FOR EMPLOYEES

Would you like to enhance your company's profile and boost employee satisfaction? Offer your employees the opportunity to charge their electric vehicles at work. No matter whether flat-rate invoicing or consumption-based invoicing via RFID card is required – everything is possible.



CHARGING FOR GUESTS AND VISITORS

Would you like to allow your visitors to charge their electric vehicles during their stay? You decide whether customers may charge for free or pay for their charging process directly ad hoc at the charging station or using an external charging card via roaming. For this purpose, you can define a suitable charging price and adapt it at any time.

Full-service offer for...

Companies and fleets
Parking garages
Hotels and restaurants
The housing sector
Municipal utilities and energy suppliers
Trade and commerce

FOR EVERY USER GROUP THE RIGHT CONCEPT



CHARGING FOR TENNANTS

Enhance the attractiveness of your apartment building. Give your tenants the opportunity to charge electric vehicles simply and conveniently at their parking spaces. You can invoice the electricity at a flat rate or based on consumption, no matter whether parking spaces are assigned on a fixed or independent basis.



CHARGING IN THE PUBLIC SECTOR

Allow third parties public access to your charging infrastructure as well. This enables payment using the charging card from a vehicle electricity provider or direct, ad-hoc payment by credit card. You're on the safe side with a charging infrastructure in compliance with calibration laws. Choose an accessible design to permit simple access to persons with limited mobility as well.

ACCESSORIES AND SPARE PARTS

OVERVIEW



RFID card

RFID cards for authentication and protection against unauthorised access.



Stele Solo and Stele Duo

The high-quality stainless-steel columns are compatible with all Heidelberg/Amperfied wallbox variants. The connect series requires an adapter plate.



Stele Solo Lite and charging cable holder

The columns are compatible with all Heidelberg/Amperfied wallbox variants. The connect series requires an adapter plate. Optionally with a holder for the charging cable.



Columns for smartEVO duo+ dual chargers

Permanently mounted on the wall or free-standing in any location – both options are possible with the smart EVO dual charger. You can choose either the column for fastening just one dual charger or the column variant for two dual chargers.



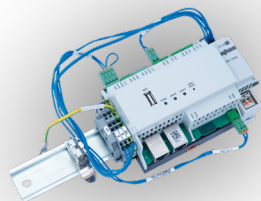
Foundations

Always secure: Columns and charging stations are firmly anchored in the ground via foundations.



Charger compact.lite and Wallmount Compact

Mobile charging solution for use at home or on the move. By connecting the charger to a blue CEE-16-A socket, electric and hybrid vehicles can be charged at a rate of 3.7 kW anywhere in Europe. Using the lockable Wallmount Compact, you can attach the charger securely to a wall.



Combox Lite and Combox Complete

Load management for Energy Control wallboxes:

- Static load management with the Combox Lite
- Dynamic load management with the Combox Complete



Locking set with key-operated switch

Prevent unauthorised access. Compatible with Wallbox Home Eco and Wallbox Energy Control.



Mode 3 charging cable type 2

The Mode 3 type 2 charging cable enables you to charge your hybrid or electric vehicle at charging stations with charging socket (charging power up to 11 kW).



Replacement charging cable type 2 and replacement protective cover

Replacement charging cable for wallbox type 2 – 5 m
Replacement charging cable for wallbox type 2 – 7.5 m
Replacement protective cover for wallbox type 2



THE CLEVER WAY OF CHARGING



DO YOU HAVE ANY QUESTIONS?

Contact our hotline on:

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