

# Product Catalogue

## 07/2024



The power  
to move



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# Product Catalogue

Compleo was founded in 2009. Since then, the company has focused on developing and producing charging technology for electric vehicles.

Today, Compleo is part of the family-owned global KOSTAL Group. Compleo is headquartered in Dortmund. From here, the company supports business customers throughout Europe with charging technology and associated services.

The wide range of innovative charging stations with different charging powers enables customers to easily set up and expand charging points for any use case. At the same time, Compleo charging stations provide users with a positive charging experience.

## Our vision

Our vision is to accelerate electric mobility as the most convenient and sustainable way to move forward for everyone.

## Our mission

With our innovative EV charging technology we empower every customer, partner and employee to turn their energy into movement.

## Pioneers in the market

Compleo has been developing and manufacturing charging stations since 2009. In the early days, only AC charging stations were produced. In 2015, Compleo launched its first DC charging stations. In 2019, these became the first fast charging stations worldwide to be certified as calibration law-compliant.

In 2023, Compleo launched a new high-power charger with its own power electronics. Charger and power modules were designed, developed and manufactured entirely in-house.

Continuous development and more than 150 active patent families in the field of electric mobility fulfil Compleo's claim to never stand still as an innovation and technology leader in the market.



Accelerating electric mobility as the most convenient and sustainable way to move forward for everyone.



Innovative technologies ensure that a charge point is far more than just a power socket.



Everyone can join us on our journey and advance sustainable technology.

Electric mobility is a booming market, in which we offer you a partnership directly with the manufacturer.



## Sustainable strategy

Compleo is pursuing a sustainable growth strategy: customer centricity and a focus on a strong product portfolio are the cornerstones.

The strategy includes a product development shaped to the needs for charging electric cars and focusing on a comfortable user experience. The expansion of sales activities in Europe and additional investments in research and development are also key.

## Market partners

Compleo offers an extensive range of products and services for customers and market partners, from large companies switching to electric mobility to medium sized businesses, commercial customers, trading companies and local authorities.

Compleo focuses on working closely with electrical wholesalers and e-mobility providers to further expand EV charging infrastructure. The company also collaborates with over 300 energy suppliers and municipal utilities.



Smart charging  
at it's most compact



eBOX

## eBOX

The eBOX is your future-proof charging solution for all electric vehicles since it comes with full networking functionality, a maximum of charging power and durable materials as standard.

- Charging with up to 22 kW AC
- Connectivity via WiFi, LAN, 4G
- Highly protective enclosure with IP55 rating
- Convenient single-hand operation
- Including onboard load management for local clusters
- Plug & Charge-ready (ISO15118)
- SIM card exchangeable for free choice of backend provider

### Clever connectivity and high-quality design

Almost too beautiful to hide in the car park or underground garage: In addition to a high-quality design, the eBOX professional also offers maximum convenience thanks to one-hand operation and the large LED light ring. This gives the user immediate feedback on the charging process.

The eBOX is your innovative wall box with versatile connectivity options as well as accurate and transparent metering of charging processes.

### Perfect for commercial operation

Due to a particularly high degree of protection against water and dust (IP 55), the eBOX can be used in a very wide range of locations, even outdoors without any problems. The wallbox can be connected to an OCPP backend via WLAN, LAN or 4G, depending on the respective location requirements.

### Easily mounted anywhere and always in balance

Whether on the wall or on the parking lot, the eBOX can be mounted in almost any situation with its accessories. Thanks to its narrow footprint, it always finds the right place on walls and columns. One or two wallboxes can be mounted with the elegant ePOLEs. Cable holder and padlock included. The onboard load management optimally distributes the local grid capacity between several charging points.

### Precise functionality – with any IT backend

The eBOX can be controlled from any IT backend. Ready to meet different metrological requirements it provides calibration law-compliant billing in Germany through the optional eSMARTMETER. You choose your backend. The SIM card is easy to insert and can also be replaced during operation whenever necessary.



Can be combined with any OCPP-compatible IT backend



Easy upgrade and replacement with the unique eCLICK system



Onboard load management for clusters of charging points

## Features of the eBOX series

- ISO15118 ready
- RFID reader
- Coloured LED ring for an intuitive user experience
- DC residual current detection
- With anySIM for inserting or exchanging the SIM card
- Convenient single-hand operation
- Onboard load management without additional hardware
- OCPP 1.6 JSON
- Energy and load management via Modbus TCP/IP
- Communication via LAN, WLAN und 4G
- Optional compliant with German calibration law
- Optional eSMARTMETER
- Optional charging cable (6.5 m)
- eCLICK concept (e.g. for upgrades)
- Pole and wall mountable







Simplifies installation  
and service



# SOLO

The SOLO is ideal for smart use in company parking garages and apartment buildings. The all-in-one box saves costs during installation and operation.

- Cost-efficient operation with Service RCD
- All protection components in one housing
- Including onboard load management for local clusters
- Dimmable ambient lighting
- AFIR-compliant thanks to display of QR codes for direct payment
- Compliant with calibration law

## The highest degree of safety combined with the lowest operating costs

The SOLO integrates all protective components in one housing. Both a type A residual current circuit breaker and overvoltage protection are included in addition to the DC residual current detection installed as standard. This saves installation space in the electrical installation.

## The SOLO premiumline offers innovations to help you save costs in the long term

### Reduce costly service calls

The SOLO has a resettable residual current circuit breaker that can be switched on again. If the Service RCD is triggered by a vehicle, the next user can reset it by pushing up the sliding cover. Good for all CPOs.

The self-test function of the Service RCD also allows the SOLO premiumline to trigger the RCD independently. The next time the sliding cover is pushed up, it is switched on again, which means that the prescribed RCD test is carried out automatically and documented in the backend.

### Easy direct payment via QR code

At public charging points, payment is made in accordance with the European Alternative Fuels Infrastructure Regulation - AFIR. Secure QR codes for payment can be shown on the bright display. This is particularly effective in preventing phishing attempts. Alternatively, users can activate the SOLO via RFID card or app.

### Load management included

For locations with multiple charging points, SOLO includes convenient load management. Without additional running costs. Load management can be configured via the Ducto web interface from Compleo. You can define a charging cluster according to your priorities and start saving on grid expansion costs.



Cost-efficient operation with Service RCD



Display of QR codes



Onboard load management included

Payment according to **AFIR**

## Features of the SOLO series

- Charging with up to 22 kW AC
- AFIR-compliant with QR codes for direct payment
- 3.5" display for user information
- Giro-e able
- Calibration law-compliant billing via SAM storage and display module
- Convenient single-hand operation
- LAN and 4G connectivity
- ISO 15118 ready
- Connection to IT backends via: OCPP 1.6J
- Energy/load management: Modbus protocol
- Ambient lighting
- Accessible SIM card slot for inserting or exchanging the SIM card
- RCD self-test functionality
- RCD resetable with sliding cover
- Easy configuration via the DUCTO web configuration tool





A pioneer for all  
situations



## DUO

The DUO is the pioneer for all situations. All components are already integrated into this all-in-one charging station. This saves installation and operating costs – year after year.

- Charging with up to 2x 22 kW AC
- LAN and 4G connectivity
- Cost-efficient operation with Service RCD
- Compliant with German calibration law and ready for metrological requirements
- AFIR-compliant
- Power Rail technology to saving installation costs
- Convenient single-hand operation

### The charging solution for pros

In addition maximum transparency for billing, an efficient installation and the running costs are of particular importance when it comes to charging stations for commercial use.

Easy handling and versatile activation options ensure a perfect charging experience for all users.

## The DUO is all about versatility and robust operation.

### Reduce costly service calls

The DUO is fitted as standard with two Compleo Service RCDs. After a vehicle has tripped the Service RCD, the next user can easily reactivate it by pushing up the sliding cover. Good for all charge point operators. The Service RCD's self-test function with documentation in the backend is also a cost saver.

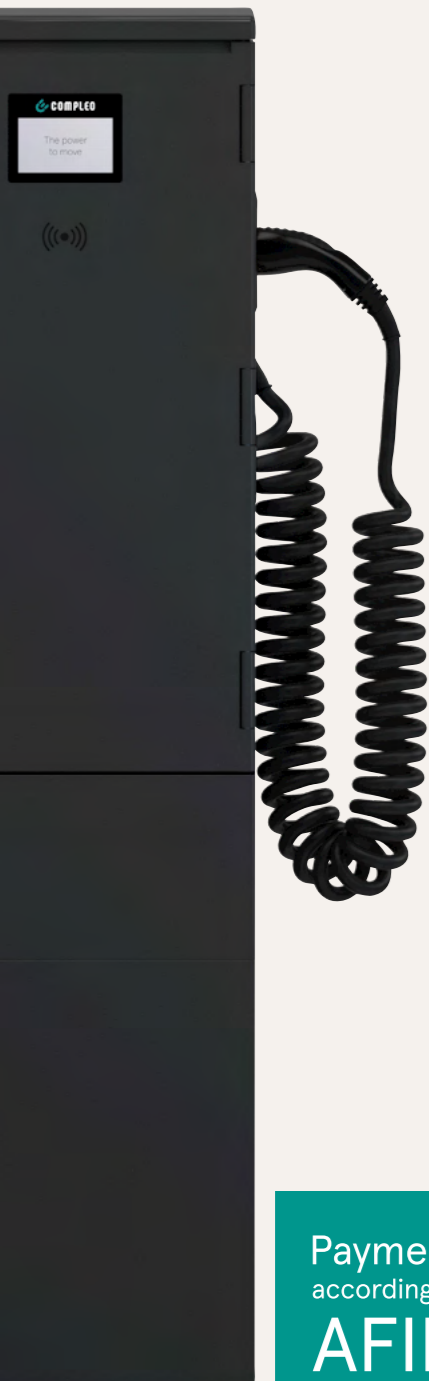
### More charging power, less construction work

Think bigger with the DUO fleet – incorporate more charging points, reduce the need for enlarging the grid capacity and use fewer resources. Up to now, a separate power line was required for each charging station. With the DUO fleet and the Compleo Power Rail system, up to 30 charging stations can be connected in series. This saves up to 50 % in construction costs.

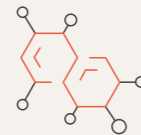
### Precise functionality – with any IT backend

The DUO can be controlled from any IT backend and provides calibration law-compliant metering in Germany via SAM. With SAM technology, the user can monitor and check consumption without being connected to the IT backend.





Can be combined with any OCPP-compatible IT backend



Extremely robust sheet moulding compound (SMC) enclosure: corrosion-free – forever



Energy and load management via Modbus/TCP protocol

Payment according to **AFIR**

## Features of the DUO series

- Power Rail technology to saving installation costs
- Simple configuration via DUCTO web configuration tool
- RCD self-test functionality
- RCD resetable with sliding cover
- RFID reader
- DC residual current detection
- Convenient single-hand operation
- Load management via Modbus TCP/IP
- OCPP 1.6 JSON
- Optional calibration law-compliant in Germany with SAM
- AFIR-compliant with QR codes for direct payment
- 4.3" display
- Type 2 charging connector
- Optional charging spiral lead (6.5 m)
- Floor mountable
- Standard paint RAL 7016





Likes being in the  
public eye



DUO ims

## DUO ims

The DUO ims was developed especially for being connected directly to the public distribution grid. All components are already integrated into this all-in-one charging station, reducing installation time and costs.

- Charging with up to 2x 22 kW AC
- LAN and 4G connectivity
- Compliant with German calibration law
- AFIR-compliant
- Payment Terminal and PIN pad
- Convenient single-hand operation
- Conforms to VDE-AR 4100

### Perfect for the city

The DUO ims is the optimal solution for operators of public charging infrastructure. The charging station is compatible with all types of public low-voltage distribution grids and thus helps saving on additional grid connection costs.

In the public sector, robust design, reliable operation and flexible payment options are particularly important.

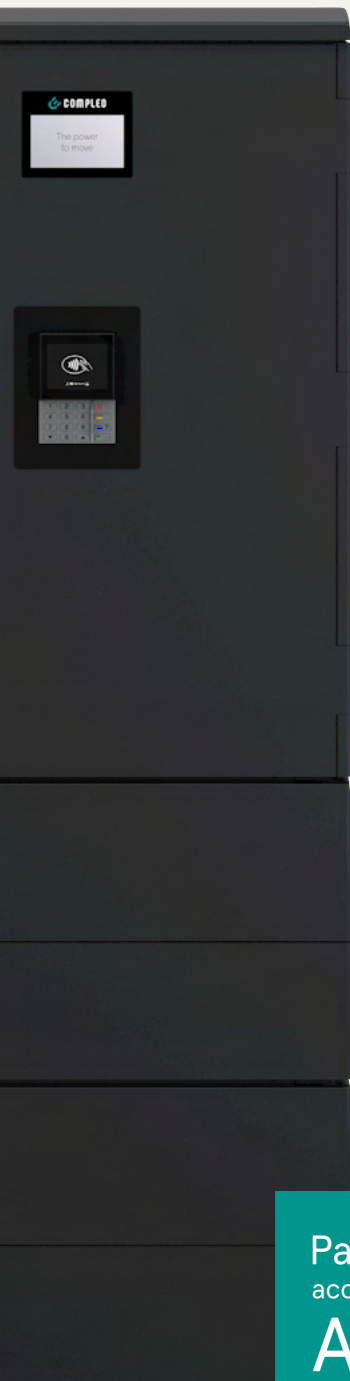
### Ready for all payment types

The DUO ims offers simple payment in accordance with AFIR. You have the choice between secure QR codes on the DUO ims display or the integrated payment terminal from Compleo. The Payment Terminal helps to operate publicly accessible charging stations in a transparent, simple and highly efficient manner. It can accept all common payment cards and methods, such as Girocard, Mastercard, Maestro, Visa, V-Pay, Apple Pay and Google Pay.

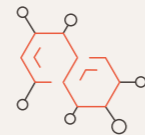
### Precise functionality – with any IT backend

The DUO ims can be controlled from any IT backend and provides calibration law-compliant metering via SAM. With SAM technology, the user can monitor and check consumption without being connected to the IT backend.





Can be combined with any OCPP-compatible IT backend



Extremely robust sheet moulding compound (SMC) enclosure: corrosion-free – forever



For direct connection to the distribution grid

Payment according to **AFIR**

## Features of the DUO ims series

- AFIR-compliant with QR codes for direct payment or payment via payment terminal
- 4.3" display
- RFID reader
- DC residual current detection
- Convenient single-hand operation
- Load management via Modbus TCP/IP
- OCPP 1.6 JSON
- Communication via LAN and 4G
- Calibration law-compliant in Germany with SAM
- Type 2 charging connector
- Floor mountable
- Standard paint RAL 7016





More rapid charging,  
transparent billing



CITO

## CITO

The CITO makes it possible to implement rapid charging even at less powerful grid connections. In addition, SAM technology provides calibration law-compliant metering in Germany and maximum transparency for metrological requirements.

- Charging with up to 22 kW AC and 50 kW DC
- LAN and 4G connectivity
- With Payment Terminal and PIN pad according to AFIR
- Compliant with German calibration law
- AFIR-compliant
- Convenient single-hand operation
- Charging with both AC and DC
- Space-saving installation (e.g. right next to the wall)

### Fast and precise – both are possible at the same time

Apart from ultra-rapid charging, charging with 50 kW is becoming ever more relevant, be it on the supermarket car park or even at the car dealership.

At less powerful grid connections in particular, vehicles can be rapidly charged with up to 50 kW DC with the CITO.

## The CITO enables charging of two vehicles with AC and DC in parallel in a very small space.

### Ready for all payment types

The Payment Terminal helps to operate publicly accessible charging stations in a transparent, simple and highly efficient manner. It can accept all common payment cards and methods, such as Girocard, Mastercard, Maestro, Visa, V-Pay, Apple Pay and Google Pay.

### Precise functionality – with any IT backend

The CITO can be controlled from any IT backend and provides maximum transparency for metrological requirements via SAM. With SAM technology, the user can monitor and check consumption without being connected to the IT backend.

### Powerful performance – quietly

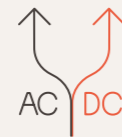
The CITO is particularly quiet in all operating modes, making it suitable for installation in residential areas without causing any problems. Convenient load management for sites with a number of charging stations is included. Also available in clusters with other Compleo AC and DC stations.



Can be combined with any OCPP-compatible IT backend



Less space required for maintenance work thanks to front access



AC and DC charging in parallel

Payment according to **AFIR**

## Features of the CITO series

- AFIR-compliant payment via optional payment terminal
- RFID reader
- DC residual current detection
- Convenient single-hand operation
- Load management via Modbus TCP/IP
- OCPP 1.6 JSON
- Communication via LAN and 4G
- Calibration law-compliant in Germany with SAM
- 4,3"-Display for user information
- Type 2 charging connector
- AC: Charging with up to 22 kW
- CCS charging connector
- DC: Charging with up to 50 kW
- Floor mountable
- Standard paint RAL 7016





High power,  
greater flexibility



eTower

## eTower

Powerful and reliable: the eTower is your future-proof HPC solution. It is particularly flexible to install and at the same time very easy to handle and barrier-free.

- Charging of two vehicles with a total of up to 200 kW DC
- LED state of charge indication, high visibility from afar
- Connectivity via LAN and 4G
- With Payment Terminal and PIN pad according to AFIR
- Compliant with German calibration law and ready for metrological requirements
- Particularly low noise emission < 55 dB
- Flexible installation options

### Modular structure: small steps pay off

With seven power modules, the eTower can respond flexibly to charging needs. Thus, even with two vehicles connected, the power can be allocated dynamically in 29-kW steps. Higher charging speed for the vehicles, more kilowatt hours output.

eTower takes ultrafast charging to the next level. Packed with technology that makes it easier for installers, operators and users.

### Intuitive and barrier-free handling

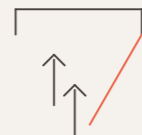
Charging the way it should be, without any unanswered questions. With its LED indicator, the eTower informs the user about the charging status of the connected vehicles from afar. The intuitive user guidance at the charging station helps the user step by step. With the integrated payment terminal, payment becomes as easy as in the supermarket.

### Smallest service area in 200 kW all-in-one class

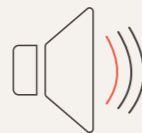
The eTower supports compact installation and efficient use of space with the smallest service area in its class. With a depth of only 450 mm and front access for service, the eTower can be installed and operated directly in front of walls allowing placement in tighter spaces.



Maximum uptime thanks to complete redundancy



Front access for optimum service operations



HPC also in noise sensitive areas

Payment according to **AFIR**


## Features of the eTower series

- Modular structure: Flexible power distribution between the charging points
- Over 96 % efficiency
- AFIR-compliant with Payment Terminal
- LED state of charge indication, high visibility from afar
- All-weather display and ambient lighting
- Billing compliant with the German callibration law via OCMF and SAM storage and display module
- Particularly low noise emission with < 55 dB
- Minimum energy consumption in standby mode
- Easy prewiring on-site with the Wire Hub and installation via forklift mechanism
- Front access
- Communication via LAN and 4G
- OCPP 1.6J
- ISO 15118
- Energy and load management via Modbus TCP/IP
- Remote service access





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Technical changes and errors excepted.

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The power to move