

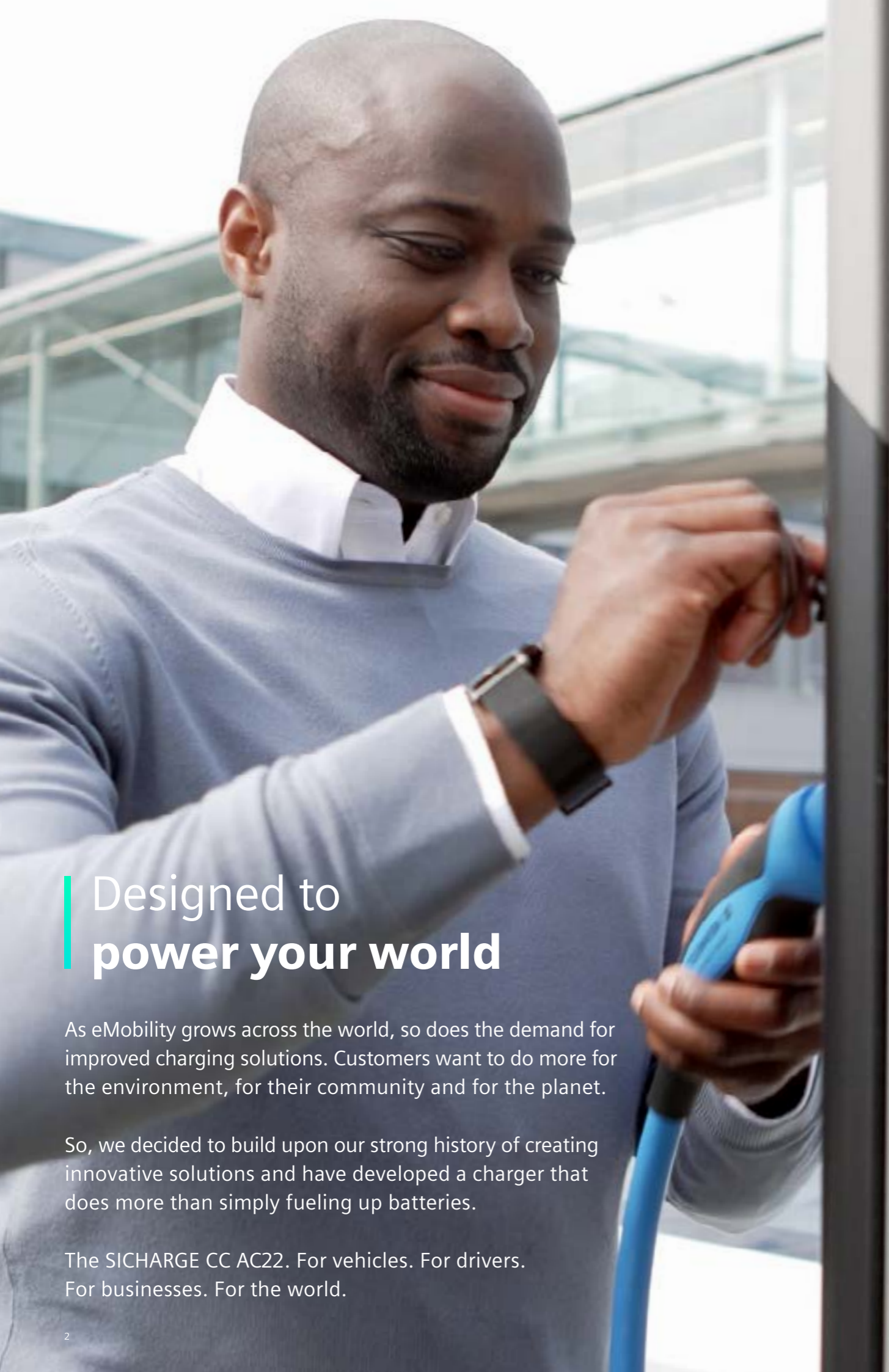
SICHARGE CC AC22

# Charge the future Express your Energy

[siemens.com/sicharge](https://www.siemens.com/sicharge)



**SIEMENS**



## Designed to **power your world**

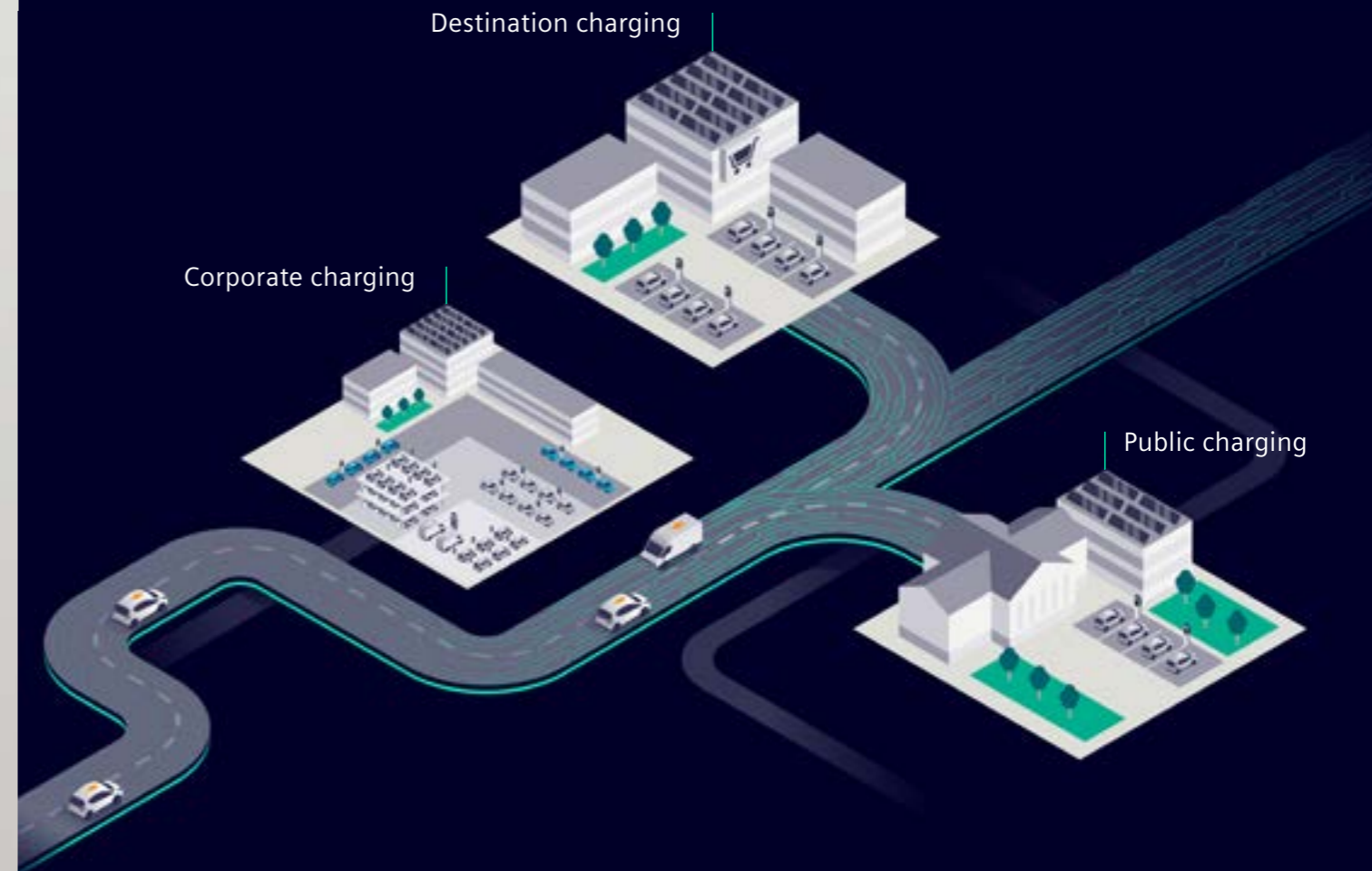
As eMobility grows across the world, so does the demand for improved charging solutions. Customers want to do more for the environment, for their community and for the planet.

So, we decided to build upon our strong history of creating innovative solutions and have developed a charger that does more than simply fueling up batteries.

The SICARGE CC AC22. For vehicles. For drivers.  
For businesses. For the world.

## eMobility **without limits**

No matter the size of your business, we can support you with both experience and advice – delivering you the infrastructure and digital services you need to succeed in a changing world.



Start small. Scale up!



**Consulting Services**

Think agile. Stay flexible.



**Charging Infrastructure**

Keep it running. Effortlessly.



**Digital Services**

# Energizing life. Everywhere. Everyday.

## Energizing urban life – public charging

Electric cars continue to grow in popularity, but as this trend continues, the need for charging facilities in car parks becomes greater than ever. In cities – both large and small – the SICHARGE CC AC22 provides an elegant, compact, and visible solution that blends into any urban environment.



## Energizing workplaces – corporate charging

Employees expect their companies to be agile and adapt to their needs, and as such companies must be able to facilitate their workforce's electric vehicles. Payment-grade metering and OCPP connectivity mean that you can make your SICHARGE CC AC22 available for employees, guests and the public – on-premises, on demand.



## Energizing client experience – destination charging

Commerce is also affected by eMobility trends. Customers expect businesses to lead when it comes to green measures and as the number of electric cars grows, so does the consumer's demand for infrastructure. The SICHARGE CC AC22 can fulfill that demand, all while showcasing your brand via a customizable design tailored to your company. Stand out and share your corporate identity with the SICHARGE CC AC22.



# Finding the perfect fit

The SICHARGE CC AC22 is highly adaptable and can match your application. Connection is possible through your own cable or through the attached cable. Power supply is also possible through building powerlines, or via a grid connection box. They also support LAN or mobile connectivity, with billing via OCPP backend or ad-hoc payment by Giro-e, as well as MID or ERK metering.

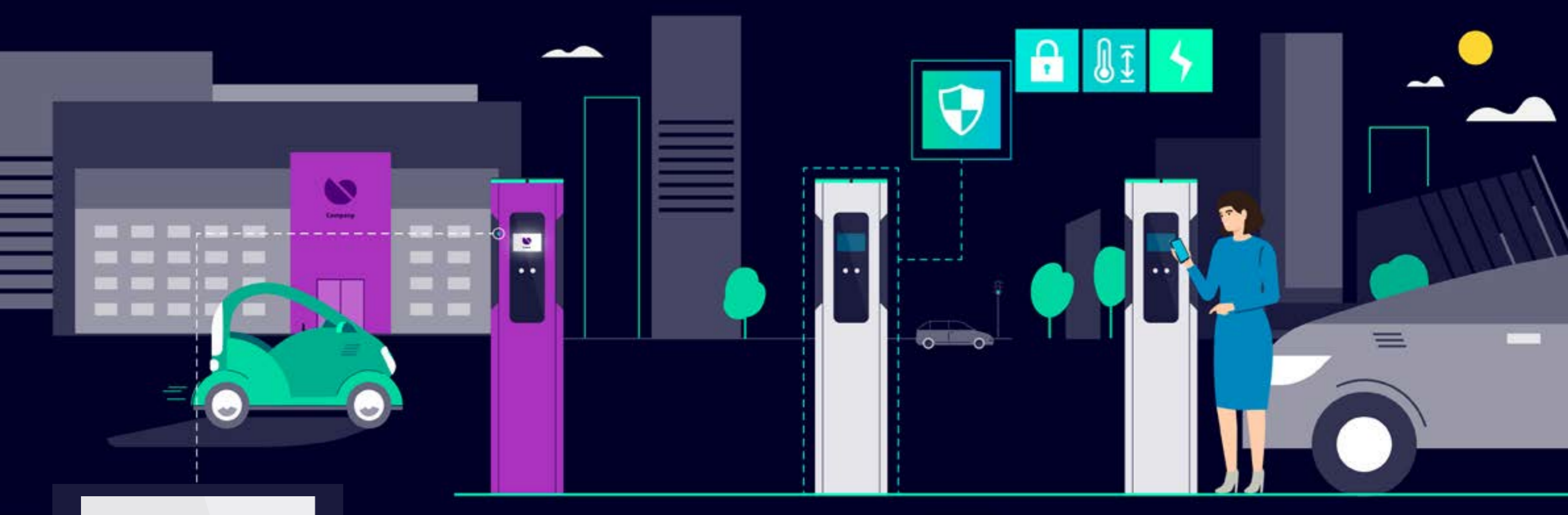


### Discover SICHARGE CC AC22 on your own

Explore how the SICHARGE CC AC22 could fit on your site through Augmented Reality. Use your phone's camera to see how our solution would look for you. 3D data for planning integration is also available.



[Learn more](#)



## Branding with a WOW

The SICHARGE CC AC22 perfectly combines form and function. Customizable color and design options allow the charging station to be tailored to your brand.

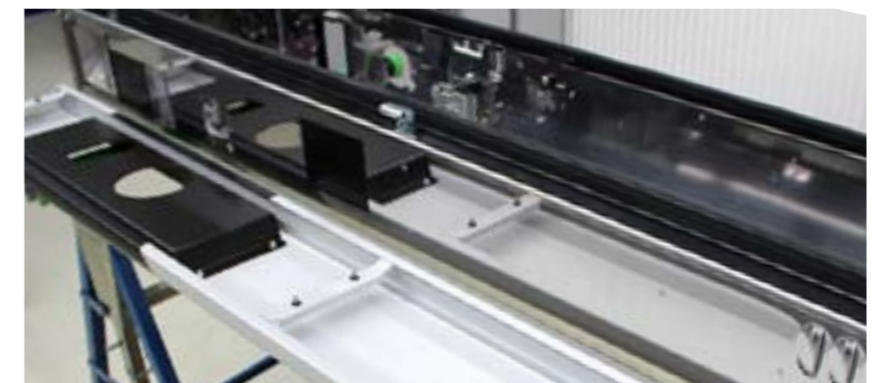
Additionally, the content of the 7" color display can also play pictures and videos. All of it allowing you to elevate your presence and impress your customers.



## Robust and reliable: Built for the long run

The SICHARGE CC AC22 is made to stand the test of time. Built in Germany with a stainless-steel frame, power coated aluminum sides and shatter-proof glass, it's ready for rough and rugged conditions, as well as daily wear and tear.

Additionally, a large front door makes regular maintenance hassle-free, while a triple-bolt locking system ensures enhanced intrusion protection.



# User-friendly: Convenience for everyone

For an intuitive user experience, SICHARGE CC AC22 is outfitted with a generous 7" display and multilingual capabilities. Authentication is possible via RFID, QR Code or App. Payments can be performed via connected backend providers or ad hoc with Giro-e\*.

\*for ERK version



# Future-proof: Built today, for tomorrow

The SICHARGE CC AC22's wide range of future-proof features make it a reliable choice for the eMobility challenges of today and tomorrow. With up to 22 kW, each connector provides more AC power than most cars can absorb – providing maximum charging speed.

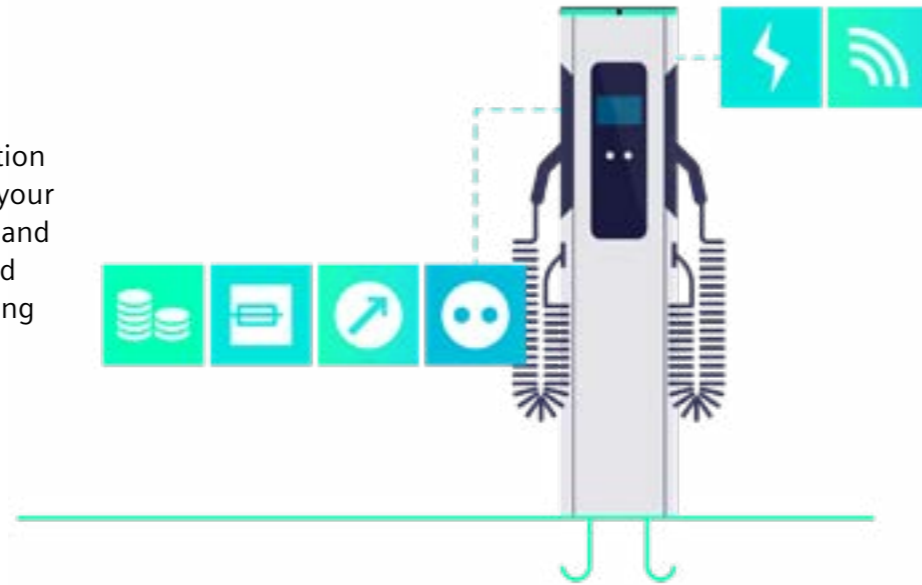
A combination of secure data communication and exact metering (MID or ERK certified models depending on your preference) is the foundation for all payment related services.

CPOs particularly appreciate integration of OCPP 1.6J, with more than 10 backend providers already fully tested, and many more to come.

To keep pace with the ever-evolving world of eMobility, updates are possible remotely over the air.

# Options and accessories

SICHARGE CC AC 22 allows customization as per your individual needs. Choose your metering and your vehicle connection and ease your installation with an attached grid connection box or proper mounting plates.



## BASIC VERSIONS

### Basic MID version

Rugged charging station with two 22kW type 2 charging sockets according to IEC, and integrated MID meters.

### Basic ERK version – complies with weights and measures legislation

Differences from MID: meter and accounting mechanisms according to German weights and measures legislation.

## OPTIONS AND ACCESSORIES

### Permanently installed type 2 charging cable (2 x)

Instead of socket outlets, each side provides a spiral charging cable and one bracket for storing cable between charging operations. Length 3m for ERK variants, 5m for MID variants. Weight ca. +10 kg.

### Grid connection box for SICHARGE CC AC22

Add-on module mounted at the rear side of SICHARGE CC AC22. Permits direct connection to public grid. Available empty for own configuration or fully equipped for specific regions.

### Mounting plate with anchor bolts

Stainless-steel plate with foundation bolts, to be integrated into the foundation (not included). Simplifies alignment and installation.

### Surge protection

Internal add-on module, type 1 + type 2 arresters according to EN 61643-1, spark gap technology with follow current limitation, defect display, trip indication via OCPP.

### Integration test of new backend system

SICHARGE CC AC22 can be flexibly connected to any backend according to OCPP 1.6J. On your behalf, we also configure and test connection to a new backend.

### Configuration and communication test

Each SICHARGE CC AC22 is 100% tested in the factory. Optionally, we also perform a customer-specific configuration, including SIM card and communication test to backend.

### Last-gasp function

Internal add-on module. In the event of a power failure, permits charging cable to be unlocked.

### GiroE

Enables adhoc payment via Girocard (available for ERK variants).

## DESIGN OPTIONS

### Customer-specific color tone

Standard color is RAL 9006. Numerous other colors are available.

### Film coating

Customer-specific design either partially or on all 4 sides of the SICHARGE CC AC22. UV-resistant film in 4-color printing, applied directly in the factory.

# SICHARGE CC AC22 Technical Data

## Performance features and functions

Authentication	Identification via RFID cards (ISO 14443), Local whitelist function for user management
Screen	TFT – LED 7" color display with pushbutton operation
Charging processes	Charging mode according to IEC 61851 "Mode 3", charging current regulation
Charging connections	2 x IEC 62196 type 2, 22 kW each

## Electrical design

Network connection	Network connection: 3P+N+PE, up to 35 mm <sup>2</sup> , rated voltage: 230/400 V AC, rated current: 63 A, rated frequency: 50 Hz, internal fuse: 63 A
Charging point	Charging points: 2 Plug connector: Type 2 – 32 A, with plug and hinged cover interlocking, IEC 62196 Maximum charging current: 32 A per charging point Optional: 230 V plug type E or F
Safety	Main switch: Switch-disconnector with fuses 63 A, 3P+N MCB, per charging point: 32 A, 3P+N, characteristic: B with function monitoring RCCB Type B, per charging point: Universal current sensitive fault current monitoring AC 30 mA, DC 6mA, with function monitoring
Lightning and surge protection	Optional combination arresters type 1 + type 2 + type 3 (≤ 5 m)
Flexible connected load	Adjustable load limitation Backend-side load management (OCPP 1.6)
Specific functions	i-MiEV detection, mode 3 s detection, contactor blocking check
Power meter	MID version: Meter with MID-certification (EU) for direct measuring up to 63A (active energy) ERK version: ERK compliant metering
Status indication	LED status indication integrated in topper element: free/connected/charging occupied/not charging occupied. Different flashing codes for fault mode indication

## Mechanical design

Dimension	1700 x 390 x 194 mm
Weight	75 kg, depending on configuration (grid connection box, cables)
Installation type	Standalone installation on concrete foundation provided by the customer
Ambient conditions	Temperature -25 °C to 50 °C

## Connectivity

Remote maintenance and remote update option	via OCPP 1.6
Setup	via local web server and web interface
External IT systems	Connection via LAN or GPRS, UMTS and LTE
Communication protocol	OCPP 1.6J

## Accounting and customer management

Accounting	Accounting possible via backend system
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## Standards

Charging processes	IEC 61851, EN 62479, EN 62311, EN 301 489, EN 50581, EN 300 330, EN 301 908 (for details refer to CE certificate)
Protection class	IP 54
Shock resistance	IK 10

## Backends

For a list of already certified Backends, please see [www.siemens.com/sicharge](http://www.siemens.com/sicharge)



For all details and ordering information, visit us at [siemens.com/sicharge](http://siemens.com/sicharge)

Smart Infrastructure intelligently connects energy systems, buildings and industries to adapt and evolve the way we live and work.

We work together with customers and partners to create an ecosystem that intuitively responds to the needs of people and helps customers to better use resources.

It helps our customers to thrive, communities to progress and supports sustainable development.

Creating environments that care.

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