

VERSICHARGE AC CHARGING SYSTEMS

Simply charge everywhere

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



SIEMENS

Simply charge everywhere – with VersiCharge



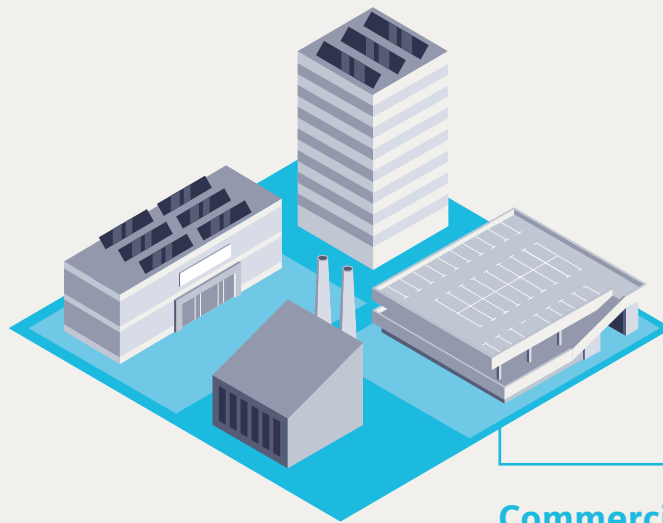
The ideal charging station for every application

Charging an EV at home makes different demands on your charging system compared with, for example, public charging stations. That's why the proven VersiCharge portfolio includes versions for commercial application in addition to a solution for easy, reliable, convenient, and safe charging at home.

There are options and functions tailored especially for commercial demands: for example, there's the option to incorporate a SIM card for connecting to wireless networks. VersiCharge provides a scalable charging range up to 22 kW, and to save space they can be wall- or pole-mounted in locations like parking areas.

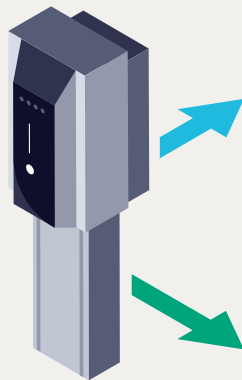
Versatility:

The hallmark of VersiCharge



Commercial use

- Workplace and fleet charging
- Parking garage
- Retail and public parking

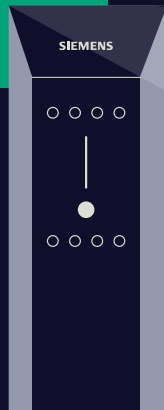


Charging at home

- Housing complexes
- Apartment buildings
- Detached houses

The right configuration for every use

At home



Ideal for use at home

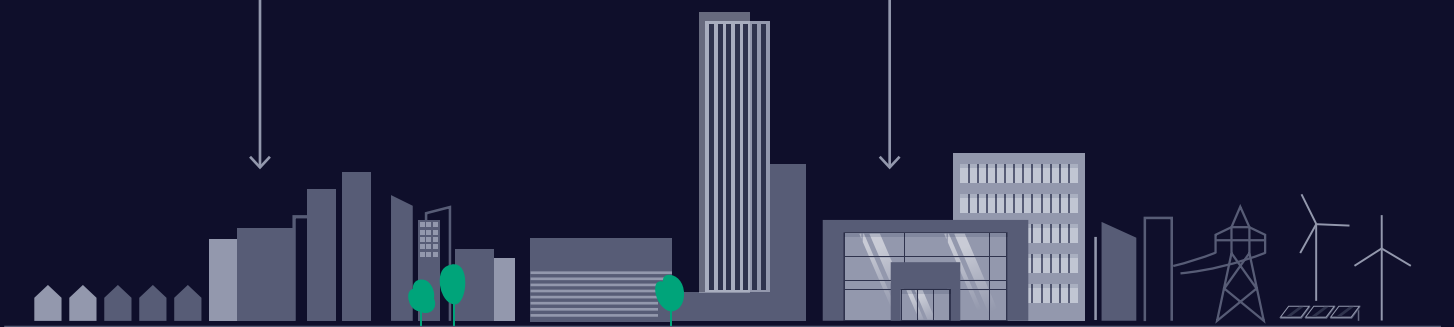
- + WiFi, LAN, Modbus
- + Integrated metering
- + Up to 11 kW
- + App for Android and Apple

Commercial

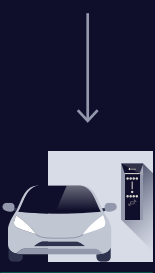


Ideal for commercial use

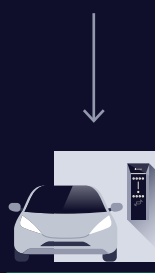
- + Up to 22 kW
- + Identification with RFID
- + MID-certified meters



Detached houses



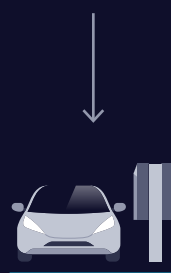
Housing complexes



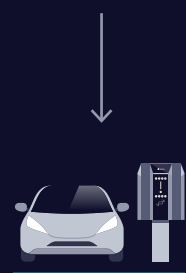
Workplace



Shopping



Public spaces



Wide range of **opportunities**

Key features

Compatibility with all common electric vehicles and applicable charging standards – plus ease of use and comfort functions like delayed and planned charging – ensure high levels of customer convenience.



VersiCharge highlights

- Power up to 22 kW (can be reduced) to meet regional requirements
- Graphic LED display
- ID card identification
- Updates over the air
- Mobile app for Apple and Android
- Housing-certified in accordance with IP54 / IP56 and IK 10

Options

A variety of options are available for the VersiCharge charging systems:



Communication via GSM, LTE, and 4G available with or without SIM card



230-V socket e.g. for bicycle charging: Either Type E (for France) or Type F (Schuko®)*



Fixed Type 2 charging cable as an alternative to the Type 2 charging socket



Shutter that covers contacts in Type 2 charging socket: required in some European countries

Discover VersiCharge in 3D and AR!



Visit [siemens.com/versicharge](https://www.siemens.com/versicharge) for possible combinations

Digital integration in every environment: **Easy, flexible, scalable.**

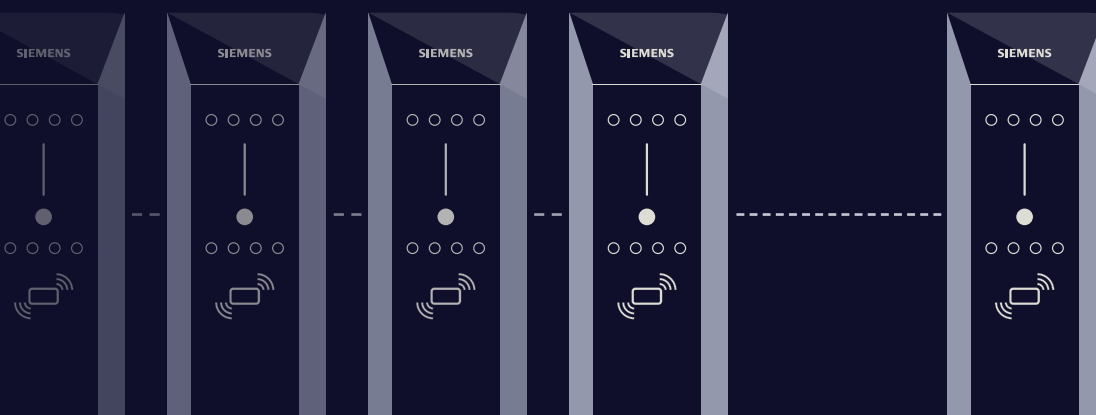
Smart charging systems with cloud access can do much more than supply vehicles with electricity. To easily implement and expand your options, VersiCharge provides a wide range of communication choices.

Everything communicates securely via the cloud

- + Mobile app for configuration, control, and monitoring
- + Backend connection (OCPP) for payment systems, load management, and access control
- + Service connection for updates



Cloud connection
via SIM, Wi-Fi, or Ethernet



Share an (Ethernet / mobile) Internet connection **via one VersiCharge** and up to nine more



You'll find
all the details
in the
Connectivity
Guide



Building integration

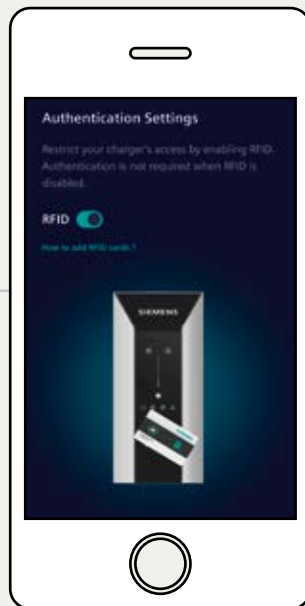
optional via Modbus TCP or RTU

The VersiCharge mobile app

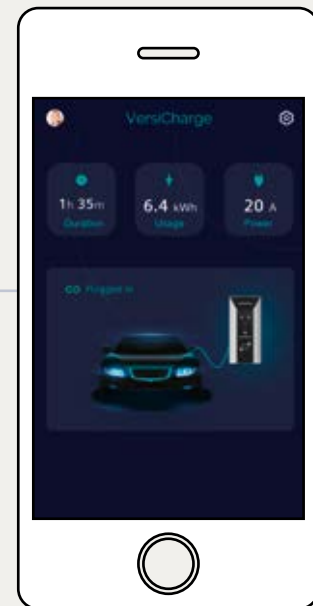
The intuitive VersiCharge app offers special advantages for easy configuration and operation of your VersiCharge charging systems. You can use it to monitor and control the charging performance of your VersiCharge charging system and review consumption (in kWh) across various time frames. You can also schedule the charging process to meet your personal requirements or to access lower rates offered by your energy utility.



Easy, menu-based configuration



ID configuration

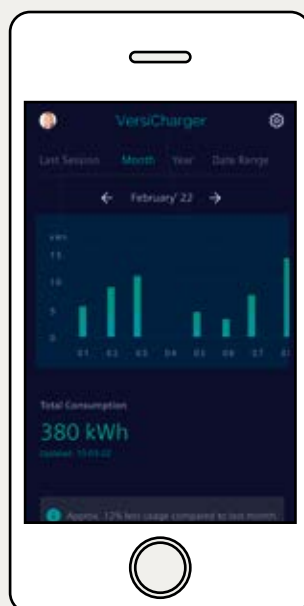


Current charging data at a glance

Download for Android from app store



Download for iOS from app store



Display of monthly electricity consumption



Graphic showing consumption statistics

VersiCharge: Benefits for users and operators



Easy to install and set up

- Support for planning using 3D models and Simaris Project
- Mobile or desktop app
- Video tutorials show every step
- Fast and cost-saving



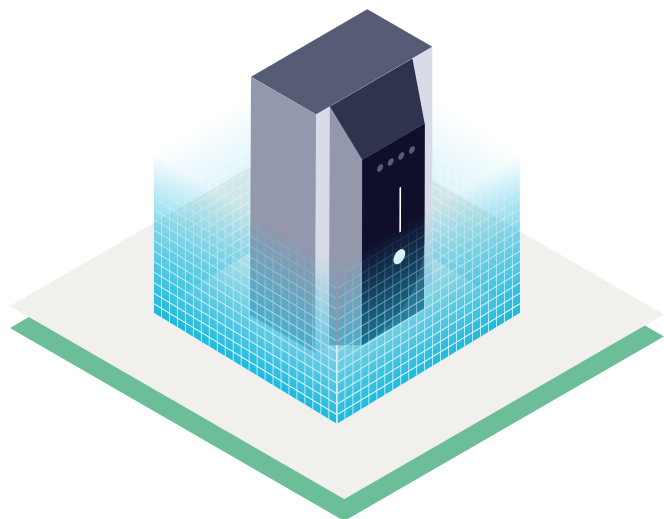
Intuitive operation

- Easy-to-understand LED displays
- User app for monitoring, control, and reports
- Integrated cable management
- Remote updates that keep your charging system up to date at all times
- Elegant design



Secure and robust quick charging

- DC leakage detection
- High charging performance up to 22 kW
- Suitable for outdoor use (IP54 / IP56 and IK 10)
- Designed for cybersecurity



Scalable and flexible

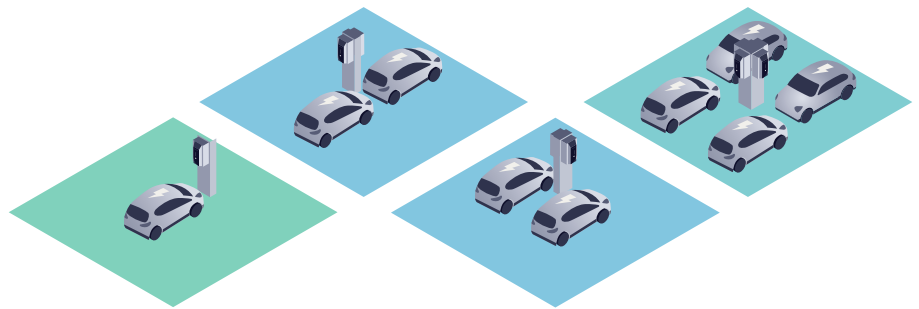
- Model range offers appropriate options
- Power can be limited to meet regional requirements
- Pole or wall mounting
- Many communication options
- Integration in facility management (for example, Desigo CC)
- Can be integrated into selected smart home systems, for example, for PV and batteries
- Entire system can be remotely monitored and controlled

The perfect pole mounting for every environment



Flexible elegance

No other system is as versatile as the VersiCharge. The optional pole mountings allow it to be installed in almost any type of parking area. The elegant poles are ideal for single installations, roadside parking spaces, parking spaces (double poles), and 4-pole installations in larger parking areas.



Integrated added value

- Integrated overvoltage protection
- Power circuit breaker
- Residual-current circuit breaker
- Current distribution



Single pole

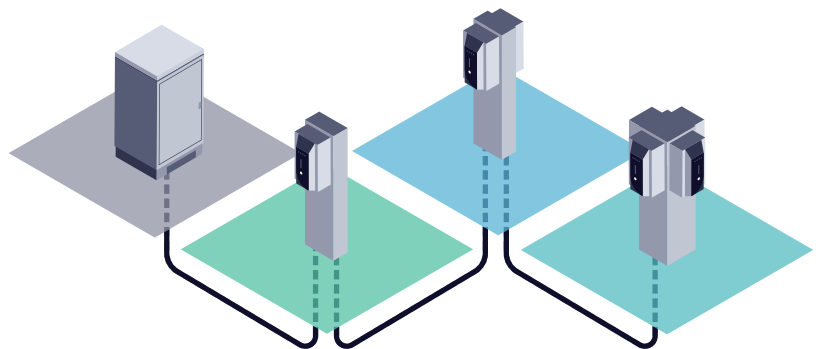
Double pole

Quadruple pole



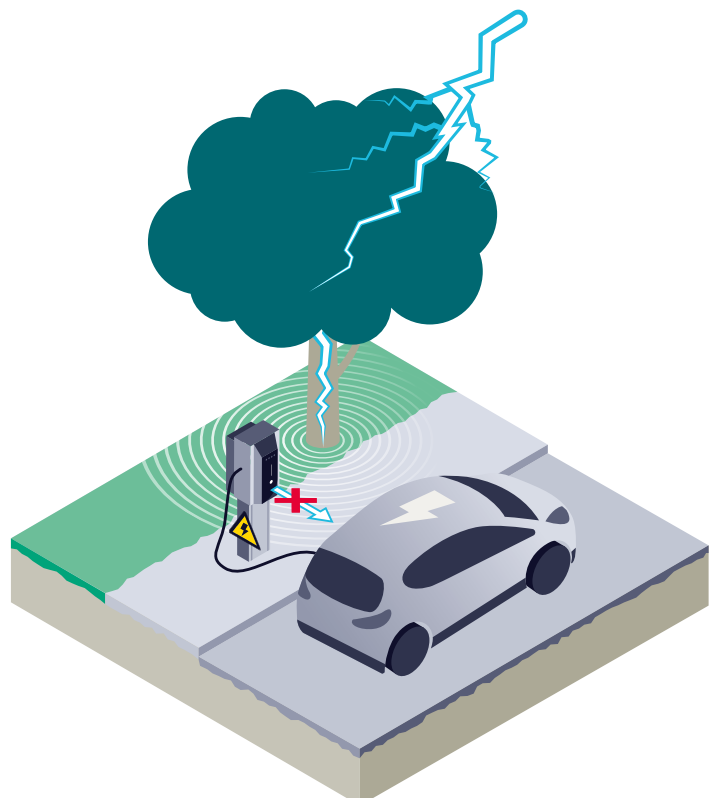
Cost-conscious installation

“Safe and easy” charging points are connected using just a single cable from the control panel, which can cut material use by half in the case of twin points and by as much as 75 percent for quadruple units. The use of a loop-through connection for additional poles reduces the amount of cabling needed for the overall charging infrastructure by up to 85 percent. The protection systems preinstalled in the pole reduce installation overhead by half – down to the fused connection in the control panel and plugging a cable into the pole*.



Safe charging

Open-air charging points are at risk of damage to charging equipment and connected vehicles from lightning strikes. With VersiCharge poles, you’re protected thanks to the integrated overvoltage protection that satisfies all current lightning protection standards – and it’s fast, safe, and easy to install. For applications in lightning protection zone 0_A, the charging points are equipped with type 1+2+3 combi-arresters.



* Takes load management into account

VersiCharge: Technical data

VERSICHARGE CHARGING MODULE

FEATURES AND FUNCTIONS

Charging mode	Mode 3
Vehicle connection	Type 2 socket (shutter optional), 32-A or 7-m cable with type 2 / 32-A plug
AC power output	Single-phase: up to 7.4 kW, three-phase: up to 22 kW
Environment	Indoor and outdoor
Mounting options	Wall- and pole-mounting
Touch button	Time delay, return to max. power level
Charging status LEDs	Charging state, time delay, authentication
Communication / status LEDs	Network connection status, device management status
Shared network access	For shared communication via one VersiCharge and up to nine more
Load management	Via OCPP or Modbus

COMMUNICATION

Interfaces	Ethernet, Wi-Fi, Modbus RS-485, Modbus TCP / IP, optional GSM, LTE, 4G
User authentication	RFID card (local whitelist, MiFare)
Configuration	Via VersiCharge mobile app or VersiCharge PC Tool
Backend protocol	OCPP 1.6, upgradeable to OCPP 2.0
Software upgrade	Remote updates available

ELECTRICAL DESIGN

Power-supply voltage	Single-phase: 230 V / 7.4 kW, three-phase: 400 V / 22 kW; 50 / 60 Hz
Rated current settings	10 / 13 / 16 / 20 / 32 A
Cross wire section	Single-phase: up to 10 mm ² , three-phase: up to 10 mm ²
Network type	TT / TN, for single-phase units additionally IT
Energy metering	Integrated MID metering
AC ground-fault detection	30-mA AC
DC leakage detection	≤ 6-mA DC
RCCB / FI	Not integrated
Voltage protection	Integrated
Over-current protection	Current +10% above configured threshold, minimum +2 A / 5 seconds
Operating altitude	2,000 m

GENERAL DESIGN

IP and IK rating	IP 54 for models with crimped cable and / or 230-V socket IP56 for models with type 2 charging socket IK 10
Dimensions (HxWxD)	446 x 180 x 158 / 178 mm
Weight	Cable: 1 ~ 5.3 kg; 3 ~ 7.2 kg Socket: 1 ~ 2.9 kg; 3 ~ 5.0 kg
Ambient conditions	Operating temperature: -30° C to +50° C Storage temp.: -40° C to +60° C, 98% non-condensing
Colors	Silver metallic (Pantone 10077), Black

CERTIFICATES AND STANDARDS

Certificates	
Standards	EN IEC 61851-1, EN IEC 61851-21-2, EN IEC 60068-2-52, EN IEC 61 000-6-1, EN 61000-6-3, EN IEC 61000-6-4, EN 330 330, EN 300 328, EN 301 511, EN 301 893, EN 17186, IEC 6 2955

VERSICHARGE AC POST (IEC)

FEATURES AND FUNCTIONS

	Single pole	Twin pole	Quadruple pole
VersiCharge configuration options (not integrated)	Pre-wired, including electrical and lightning protection for 1 x VersiCharge	Pre-wired, including electrical and lightning protection for 2 x VersiCharge	Pre-wired, including electrical and lightning protection for 4 x VersiCharge
VersiCharge AC power output	Single-phase: up to 7.4 kW, three-phase: up to 22 kW		Single-phase: up to 7.4 kW, three-phase: up to 11 kW
Environment	Outdoor / indoor		
Mounting options	Installation on Class B 300 foundation (foundation anchor kit available)		
Service panel	Front service panel, key-lockable		

GENERAL DESIGN

Dimensions (H x W x D)	1,472 x 250 x 125		1,485 x 250 x 250
Weight (pole only / with electrical components)	16 kg / 21 kg	16 kg / 22 kg	25 kg / 31 kg
Material	Powder-coated aluminum, 9006, RAL coating thickness 60 to 80 µm		
IP classification	Integrated distribution box IP67		
Ambient conditions	Operating temperature: -20° C to +50° C, max. 95% atmospheric humidity Storage temperature: -25° C to +70° C		

ELECTRICAL DESIGN

Network type	TT / TN-S / TN-C-S		
Supply voltage (V)	230 or 400 V / 50 V, 60 Hz		
Max. rated current (A)	16, 32	32, 64	64
Max. rated power (kW)	7.4 / 11 / 22	14.8 / 22 / 44	29.6 / 44 / not specified
Wire cross-section (poles)	Up to 5 x 35 mm ² with passive feed-through bridge		
Disconnecter	Interrupts power feed at the pole for servicing		
Overvoltage protection device	Application in lightning protection zone 0 _A , SPD type 1 + type 2 + type 3 in accordance with IEC 61343-1 Lightning surge current (10 / 350 µs) / 12.5 / 50 kA; rated leakage current (8 / 20 µs) 25 / 100 kA		

RESIDUAL CURRENT AND OVERCURRENT PROTECTION

1-phase 7.4 kW, 32 A	1 x RCBO type A, 40 A, 10 kA 1 x 40-A disconnecter	2 x RCBO type A, 40 A, 30 mA, 10 kA 1 x 63-A disconnecter	4 x RCBO type A, 40 A, 30 mA, 10 kA 1 x 80 A-disconnector
3-phase 11 kW, 16 A	1 x RCD type A, 25 A, 30 mA 1 x MCB, type C, 10 kA 1 x 40-A disconnecter	2 x RCD type A, 25 A, 30 mA 2 x MCB, type C, 10 kA 1 x 40-A disconnecter	4 x RCBO type A, 25 A, 30 mA, 6 kA 1 x 80 A-disconnector
3-phase 22 kW, 32 A	1 x MCB type A, 40 A, 10 mA 1 x RCCB type A, 40 A, 30 mA 1 x 40-A disconnecter	2 x MCB type A, 40 A, 10 mA 2 x RCCB type A, 40 A, 30 mA 1 x 80-A disconnecter	Load management required first (still no suitable compact circuit breaker)
Note:	Note equal phase distribution for the 1-phase version (see installation manual)		

CERTIFICATION AND STANDARDS

Safety and electrical standards	DIN EN IEC 61439-7, IEC 60364-7-722, IEC 60364-5-53, VDE-AR-N-4100, DIN VDE 0298-4
Certification	CE, circuit protection IEC 81346-2 / DIN EN 61346-2; SPD in accordance with EN IEC 61643-11 EU declaration of conformity / EN IEC 61851-1 / IEC 61851-21-2 / EN IEC 61439-1; -7 / EN IEC 61543

About Siemens eMobility

As a one-stop shop for eMobility charging infrastructure, Siemens eMobility offers the whole spectrum of state-of-the-art AC and DC charging hardware as well as software and services, ranging from residential to commercial and depot applications.

With Siemens' domain know-how in smart buildings and smart grids, we are uniquely positioned to cover the needs of our customers with full-fledged solutions and support them in developing, installing, and managing sustainable charging solutions for a better tomorrow.

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