**SIEMENS**
*Ingenuity for life*

# Energizing the evolution of eMobility

**VersiCharge AC series**
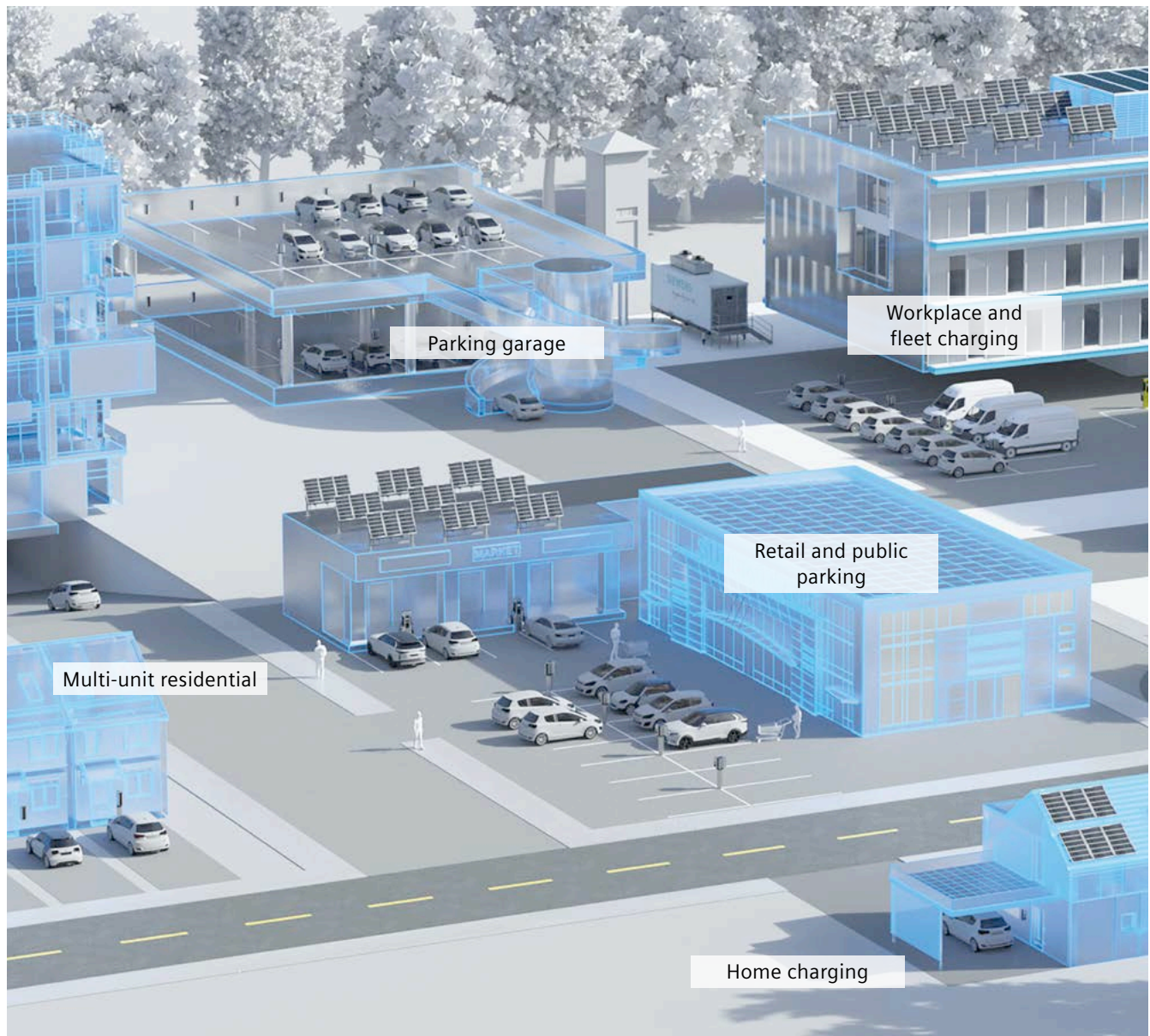
siemens.com/versicharge

# No application left behind

## VersiCharge is the perfect fit for wherever you need charging

The VersiCharge AC charger is perfect for various applications including workplaces, retail, parking garages, multi-residential, all public charging, and home charging.

No matter where you need charging, you'll enjoy many benefits and features, such as an easy-to-use mobile app, smart building integration, flexible communication connections, open payment options, secure billing, faster charging, smart load management, OCPP and ModBus communications, and more.
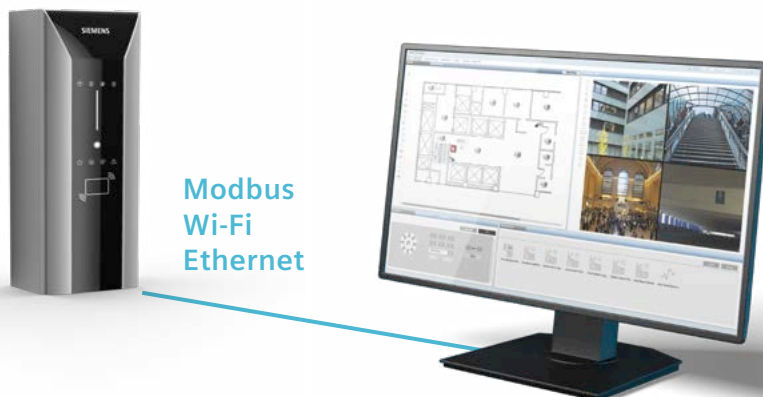
Siemens VersiCharge AC chargers can be mounted to a wall or on a pedestal. The various accessories help you easily integrate it into any parking location.



Parking garage

Workplace and fleet charging

Retail and public parking

Multi-unit residential

Home charging

# Flexibility for the future
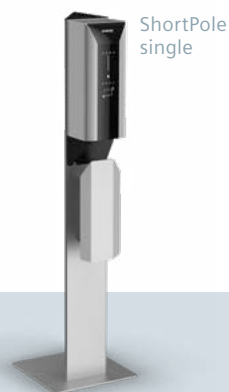
## Smart building integration

VersiCharge AC chargers offer various communication interfaces for seamless integration to local and remote networks. An extensive Modbus implementation allows for direct communication with building management systems, such as Siemens Desigo for benefits like dynamic load management.

**Modbus
Wi-Fi
Ethernet**

Parent

... 24x

Children

## Modular system configuration

Whether you are using the VersiCharge parent units just as a communications gateway or to execute more extensive local networking and control functions, the parent-child configuration options will help reduce investment and operational costs.

## Flexible and elegant posts

ShortPole single

ShortPole cable double

LongPole cable retract and light single

LongPole cable retract 4-fold

Easy cloud integration

Wi-Fi, Ethernet, 4G, and UMTS

easy to use mobile app

Simple ID card identification

# Setting the stage

## Benefits designed for you

### Smart building integration

- Monitoring and control through Siemens Desigo and third-party systems
- Modbus TCP and RTU communication
- Smart load management and monitoring

### Flexibility

- Modular and extendable site configurations
- Various communication possibilities
- Wall or pole mounted

### Robust and reliable

- Indoor and outdoor capable (IP56)
- Secure billing
- Industry-leading safety features

### State-of-the-art and Future-proof

- Tested EV interoperability
- Remote upgradeability
- Open payment options
- Integrated revenue-accurate metering

### Intuitive design

- Smart interface and easy usability
- Quick setup using the mobile app for iPhone and Android
- Integrated upstream electrical protection

### Integrity

- Cost-effective
- 3rd generation Versicharge AC Wallbox
- Quality made by Siemens

# Making a difference

## Key features

Compatibility with all common electric vehicles and applicable charging standards plus ease of use and comfort functions, such as delayed and planned charging, ensure a high degree of customer convenience.

Rugged housing suitable for outdoor applications (IP56 and IK10)

Status bar for information on identification, charging, and time delay

Integrated revenue grade MID-certified metering*

Status LEDs indicate system power, vehicle connection status, charging power, and fault indication

User authentication via RFID (Mifare classic, local whitelist and synching via OCPP)

Integrated 6 mA DC RCD protection provides installation cost savings

Amperage adjustment switch for five different current limit setting

Integrated high-performing dual band Wi-Fi

UMTS LTE / 4G connectivity for mobile network communication (parent units)

Status LEDs indicating connectivity, locked panel, and use of remote control

CE-certified for safety and interoperability

Touch-sensitive button for desired time delay and power level

Protective cover

Available with either a type 2 socket or a 7-m cable with a type 2 plug

RS485 Modbus RTU and Modbus TCP connections to building management system, for instance

*ERK compliant metering will be available in 2021

# More than charging

## Experience the peace of mind

Siemens Versicharge Chargers have been standing for superior quality, ruggedness, and proven technology for more than a decade and have reliably provided millions of charges to electric vehicles (EVs). The new third-generation Versicharge AC series continues this tradition with numerous groundbreaking enhancements and is further supported by Siemens local and remote services.



Preventive Maintenance

Corrective Maintenance

Spare Parts

Digital Services

Training

Support and Consulting

## Service Packages

We offer world-class services and support throughout the entire lifetime of your charging infrastructure, in this way assuring maximum uptime and the highest availability of your vehicles. Our cloud-based service packages Care and Care Plus look after your chargers using the dedicated Siemens service backend.

### Care

The basic Care package is included during the warranty period and can be extended by subscription.

It ensures that firmware updates keep your chargers up to date as eMobility continues to evolve. Remote analyses and diagnostics are performed by our support center on demand.

### Care Plus

Enjoy all Care digital services and even more with our Care Plus package. Your charger will be proactively monitored and analyzed by our operation center. Firmware updates will be delivered with priority.

# VersiCharge AC wallbox – technical data

| Features and functions | |
|---|---|
| Charging mode | Mode 3 |
| Vehicle connection | Type 2 socket, 32 A or 7-m cable with type 2/32 A plug and integrated cable management |
| AC power output | Single phase: up to 7.4 kW or three-phase: up to 22 kW |
| Environment | Indoor and outdoor |
| Mounting options | Wall- and pole-mounting, see accessories |
| Touch button | Time delay, return to max. power level |
| Charging status LEDs | Powered up, time delay, charging state, reduced power level, authentication |
| Communication / status LEDs | Connected / not connected during operation / signal strength during commissioning |
| Parent / child | Up to 24 child units per parent unit for combined communication to backend |
| Load management | via OCPP or Modbus |
| **Communication** | |
| Interfaces | Ethernet, Wi-Fi, Modbus RS-485, Modbus TCP/IP, for parent units additionally GSM, LTE, 4G |
| User authentification | RFID card (local whitelist, MiFare), ready for plug-and-charge acc. to ISO 15118 (upgradeable OTA) |
| Configuration | via Siemens mobile app or Siemens PC Tool |
| Backend protocol | OCPP 1.6, upgradeable to OCPP 2.0 |
| Software upgrade | Remote update possible |
| **Electrical design** | |
| Power supply voltage | Single phase: 230 V / 7,2 kW, three-phase: 400 V / 22 kW; 50 Hz |
| Rated current settings | 10 / 13 / 16 / 20 / 32 A |
| Cross wire section | Single phase: 10 mm$^2$, three-phase: 10 mm$^2$ |
| Network Type | TT / TN / IT |
| Energy metering | revenue accurate MID metering |
| AC ground fault detection | 30 mA AC |
| DC leakage detection | ≤6 mA DC |
| RCCB/ FI | not integrated |
| Voltage protection | Undervoltage: 167 V (min. 80 V) / overvoltage: 267 V (max. 275 V) |
| Overcurrent protection | Current +10% above configured threshold, min. +2 A / 5 seconds |
| Operating altitude | 2,000 m |
| **General design** | |
| IP and IK rating (FOR IEC) | IP 56, IK10 |
| Dimensions (HxWxD) | 446 mm x 180 mm x 158 mm |
| Weight | cable: 1~ 8kg; 3~ 9.5kg / socket: 1~ 5.6kg; 3~ 5.8kg |
| Ambient conditions | Operating temperature: -30°C - +50°C, storage temp.: -40°C - +60°C, 98% non condensing |
| Colors | Silver metallic (Pantone 10077), Black |
| **Certificates and standards** | |
| Certifications | $C\epsilon$ |
| Standards | IEC 61851-1, IEC 61851-21-1, EN 61000-3-3, IEC 62196-1 |

| IEC variants | | Parent | Child |
|---|---|---|---|
| Single phase | Cable | 8EM1310-2EJ04-3GA1 | 8EM1310-2EJ04-0GA0 |
| | Socket | 8EM1310-2EH04-3GA1 | 8EM1310-2EH04-0GA0 |
| Three-phase | Cable | 8EM1310-3EJ04-3GA1 | 8EM1310-3EJ04-0GA0 |
| | Socket | 8EM1310-3EH04-3GA1 | 8EM1310-3EH04-0GA0 |