

SIEMENS

Ingenuity for life



Energizing the
evolution of eMobility

VersiCharge AC series

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

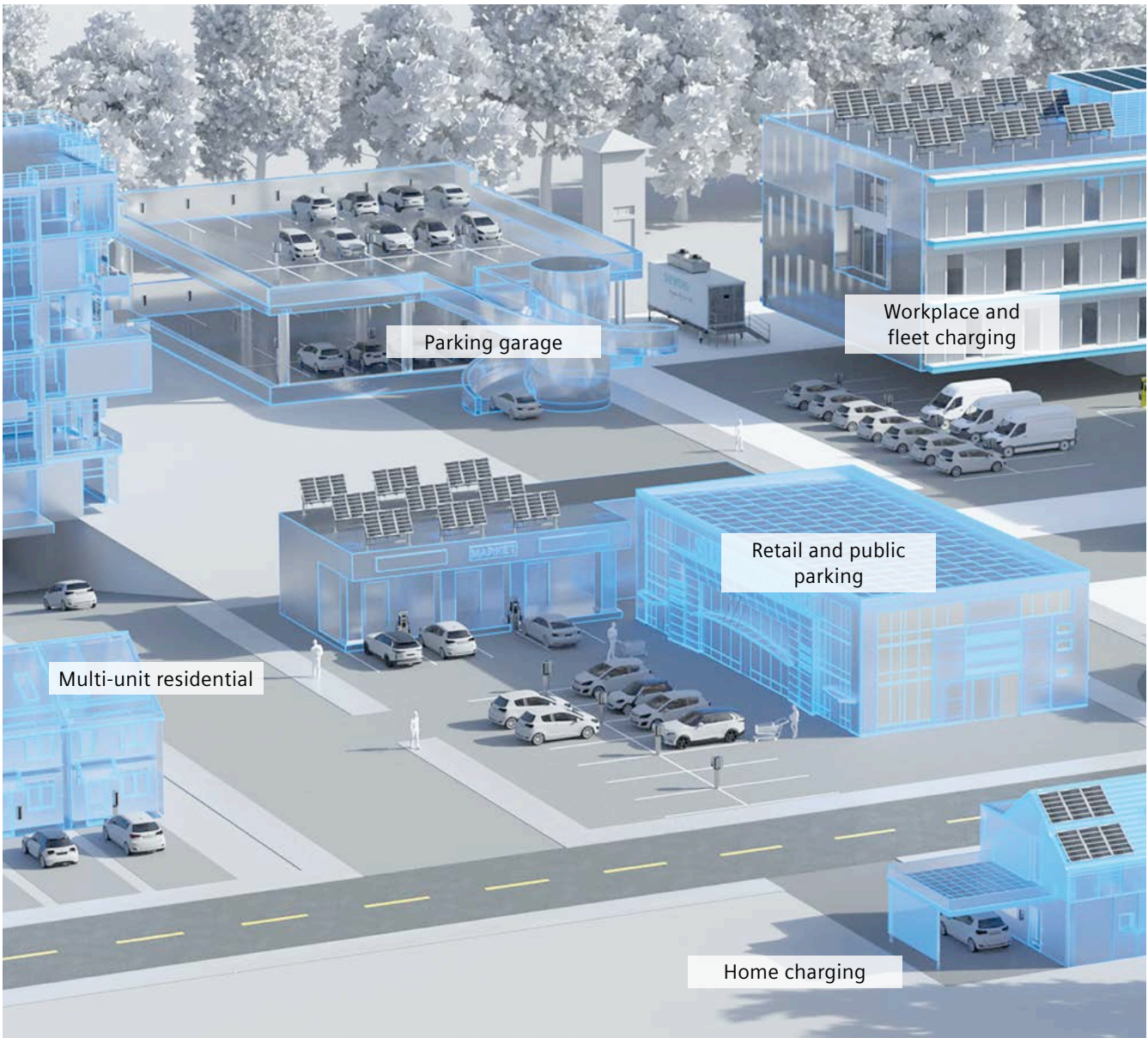
No application left behind

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.



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



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



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 Designo 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.



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 authentication	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	CE
Standards	IEC 61851-1, IEC 61851-21-1, EN 61000-3-3, IEC 62196-1

IEC variants		Parent	Child
Single phase	Cable	8EM1310-2EJ04-3GA2	8EM1310-2EJ04-0GA0
	Socket	8EM1310-2EH04-3GA2	8EM1310-2EH04-0GA0
Three-phase	Cable	8EM1310-3EJ04-3GA2	8EM1310-3EJ04-0GA0
	Socket	8EM1310-3EH04-3GA2	8EM1310-3EH04-0GA0

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100 Technology Drive
Alpharetta, GA 30005, United States

For more information, please contact
our Customer Support Center.
Phone: +49 180 524 70 00
Fax: +49 180 524 24 71
(Charges depending on provider)
E-mail: support.energy@siemens.com

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