

VERSICHARGE™ AC SERIES

Energizing the evolution of eMobility

usa.siemens.com/versicharge

SIEMENS

The evolution of eMobility

The future builds on experience

Electromobility has become one of the most important technology trends as the world moves toward a cleaner, more sustainable future. As of 2018, over three million electric vehicles worldwide were on the road. Climate conscious consumers are responding to more competitively priced electric vehicles due to government rebates, lower up-front and maintenance costs, batteries with extended range, and more stringent state and federal emissions regulations, but charging infrastructure is still needed.

eMobility innovation has always been in Siemens' DNA. The evolution of transportation began with the company's introduction of the world's first electric railway in 1879, soon after came the invention of the electric generator, the first trolleybus in 1882, and a four-seater electric car in 1905.

Siemens' PlugtoGrid™ end-to-end solutions make it possible to design and execute electric vehicle charging infrastructure projects of any size. Chargers can be easily connected to the grid with Siemens' eMobility™ open-protocol, charging technology and electrical power distribution solutions, as well as flexible options like energy storage, renewable power integration, smart building management, and managed cloud services.

Building on the VersiCharge product line, Siemens presents the third generation of the award-winning VersiCharge AC chargers with added functionality such as smart building integration, flexibility with configurations and communications, secure billing, and more. VersiCharge AC chargers get you charged and ready to go!

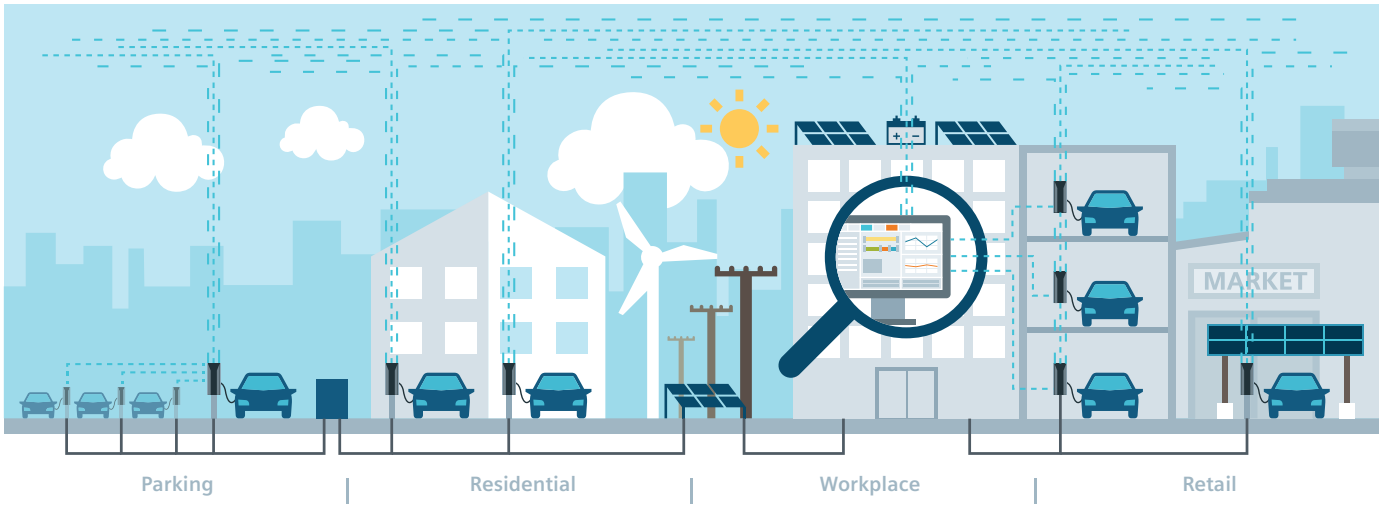


The VersiCharge™ AC series

Powerful, versatile, cost-efficient

Siemens VersiCharge chargers have stood for superior quality, ruggedness, and proven technology for more than a decade and have reliably provided millions of charges to EV (electric vehicle) drivers worldwide. The new third generation VersiCharge AC charger is continuing this tradition with numerous groundbreaking enhancements, a fresh and appealing design, and up to 11.5 kW of AC (alternating current) charging power. Providing various communication options, including the option to establish a parent-child configuration.

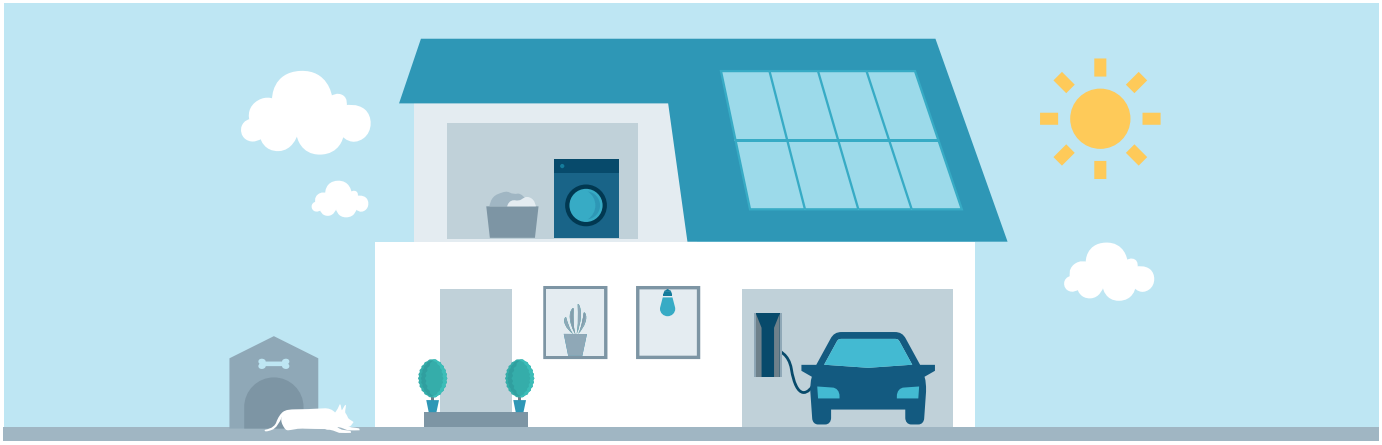
The VersiCharge AC charger can be connected to the customer's preferred back-end system making it scalable and cost-efficient. It also offers embedded metering and can interact with a building management system, such as Siemens Desigo CC and Siemens WinCC for dynamic load management that smartly adjusts as building energy demand changes. The rugged and slender VersiCharge AC charger is suitable for both indoor and outdoor use and can either be mounted on a wall or supplementary post.



The ideal solution for any application

Uniquely tailored for both commercial and home charging, the VersiCharge AC charger comes with an easy-to-use mobile application, and can charge any standard EV.

The VersiCharge AC home charger is revenue accurate and offers cutting edge technology with the most affordable pricing.



Making a difference

Key features

Compatibility with all common electric vehicles and applicable charging standards. Plus VersiCharge chargers are easy to use, and have convenience features such as delayed and planned charging.

Rugged housing fit for outdoor applications (NEMA 4)

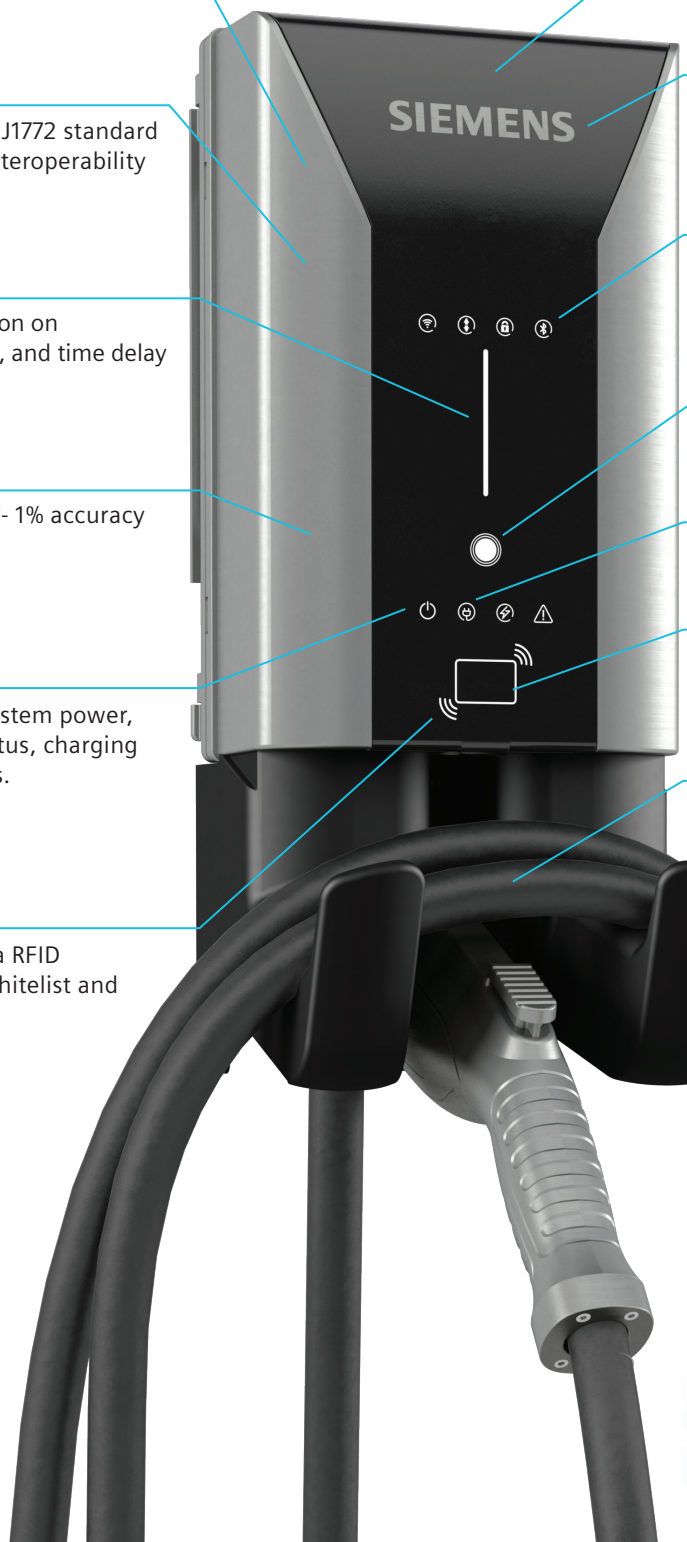
UL listed and tested to J1772 standard to ensure safety and interoperability with all standard EVs

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

Embedded Metering +/- 1% accuracy

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

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



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

Touch-sensitive button for desired time delay and power level

Cold Start

RS485 Modbus RTU and Modbus TCP connections to building management

20 ft charging cable and integrated cable management for convenient storage

Setting the stage

Benefits designed for you

Smart building integration

- Monitor and control through Siemens Desigo and third party systems
- ModBus TCP & RTU communication
- Smart load management and monitoring

Flexibility

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

Robust & Reliable

- Indoor outdoor capable (NEMA 4)
- Designed to meet highest cybersecurity standards
- Industry leading safety features

State of the Art & Future Proof

- Tested EV Interoperability
- Remote upgradeability
- Open payment options
- Embedded 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
- Third generation VersiCharge AC charger
- Quality by Siemens

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 to allow for many use cases including dynamic load management.





Wi-Fi - 1 Parent and up to 9 child units

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 reduce investment and operational costs.

Flexible posts for all applications

- PV fade-resistant and rust-resistant
- Multiple wiring options
- Single and dual post options
- Cable retraction system, 20 ft. cable
- Posts come with install kits for easy installation



Description	Post Catalog Number
Standard VersiCharge post (back-to-back) - can support one or two chargers	US2:VCPOSTGRY2
Cable retraction system used only for US2:VCPOSTGRY2 (two chargers require two US2:VCCMSSP)	US2:VCCMSSP

VersiCharge™ AC series – Technical data

Features and functions	
Charging mode	Level 2
Vehicle connection	J1772 plug with 20 ft cable, 40/48 A / integrated cable management
AC power output	Single phase up to 9.6 kW (40A) - requires a 50A breaker, or 11.5kw (48A) - requires a 60A breaker
Mounting options	Wall and post mounting, see accessories
Touch Button	Time delay, return to max power level, reset ground fault
Charging status LEDs	Power, time delay, charging state, reduced power level, authentication, cold start
Communication status LEDs	Connected / not connected during operation, signal strength during commissioning
Parent/child Network:	Connects up to 9 child units by Wi-Fi (100 ft line of sight)
Load management	via OCPP or via Modbus
Communication	
Interfaces	Ethernet, Wi-Fi, Modbus RS-485, Modbus TCP/IP, for parent units additionally LTE, WCDMA
User authentication	RFID (local Whitelist, MiFare)
Configuration	via Siemens mobile app or the PC Configuration tool
Back-end protocol	OCPP 1.6, upgrade-able to OCPP 2.0.1
Software upgrade	over the air (OTA)
Electrical design	
Power supply voltage	Single phase: 208 V / 240 V AC, 60 Hz
Rated current settings (A)	12, 16, 24, 32, 40, 48
Cross wire section	Single phase: 8 AWG / 6 AWG (90° C rated wire)
Network type	Single phase / split phase
Energy metering	Embedded metering, +/- 1% accuracy
Ground fault protection	20 mA
Over voltage protection	Under voltage: 167 V (min. 80 V) / over voltage: 267 V (max. 275 V)
Over current protection	Current +10% above configured threshold, min. +2A, 5 seconds
Operating altitude	9,840 ft
General design	
Environmental rating	Indoor and Outdoor, NEMA 4, IK 8
Dimensions (HxWxD)	16.10 in x 7.09 in x 3.78 in
Weight	17 lbs
Ambient conditions	Operating temperature: -31°F - +122°F, Storage Temp.: -40°F to +140°F, 98% non condensing
Colors	Silver Metallic (Pantone 10077), Black holster
Certificates and standards	
cUL listed	according to UL 1998, UL 991, UL2594/CSA C22.2 No.280/NMX-J-677-ANCE, UL 2231-1/CSA C22.2 No.281.1/ NMX-J-668-1, UL 2231-2/CSA C22.2 No.281.2/NMX-J-668/2-ANCE, UL 2251/CSA C22.2 No.282/NMX-J-678-ANCE
EMC	FCC Part 15.247, FCC Part 15B, FCC Part 15C

		Max. current	Model number	Wi-Fi and Ethernet	Modbus RTU / TCP	RFID identification	Embedded metering	LTE WCDMA	Installed SimCard
Residential version	Smart	40 A	8EM1312-4CF18-0FA3	✓	–	–	✓	–	–
		48 A	8EM1312-5CF18-0FA3						
Commercial versions	Child	40 A	8EM1310-4CF14-0GA0	✓	✓	✓	✓	–	–
		48 A	8EM1310-5CF14-0GA0						
	Parent	40 A	8EM1310-4CF14-1GA2	✓	✓	✓	✓	✓	✓
		48 A	8EM1310-5CF14-1GA2	✓	✓	✓	✓	✓	✓

Back-end protocol: OCPP 1.6, upgradeable to OCPP 2.0.1

Data plans for chargers: Siemens offers chargers with an optional cellular data plan for customer convenience. See table below for data plans.

Description	Catalog Number
Multi-Carrier Pooled Data Plan - 1 year data plan, 1GB capped monthly bandwidth (supports ONE Parent charger and NINE child units). This is a yearly fee.	US2:DATA1YRMULTI
Extended Warranty per Level 2 charger - 1 additional year, No In/Out services	US2:VCEXWAR1YR
Extended Warranty per Level 2 charger - 2 additional years, No In/Out services	US2:VCEWAR2YR

Legal Manufacturer

Siemens Industry, Inc.
3617 Parkway Ln
Peachtree Corners, GA 30092
United States of America

Telephone: +1 (800) 333-7421
recharge.us@siemens.com

Article No. SIDS-B40059-00-4AUS-R02

This document contains a general description of available technical options only, and its effectiveness will be subject to specific variables including field conditions and project parameters. Siemens does not make representations, warranties, or assurances as to the accuracy or completeness of the content contained herein. Siemens reserves the right to modify the technology and product specifications in its sole discretion without advance notice.

© 01.2022, Siemens Industry, Inc.