VERSICHARGE™ AC SERIES

Charging on with cutting edge technology

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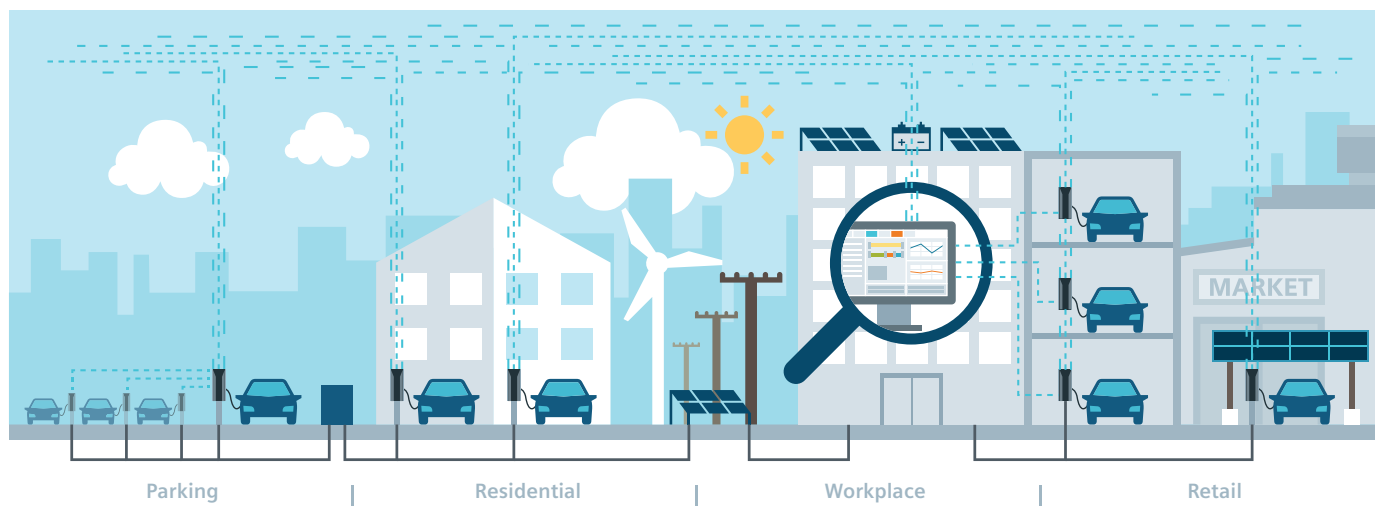
SIEMENS

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.
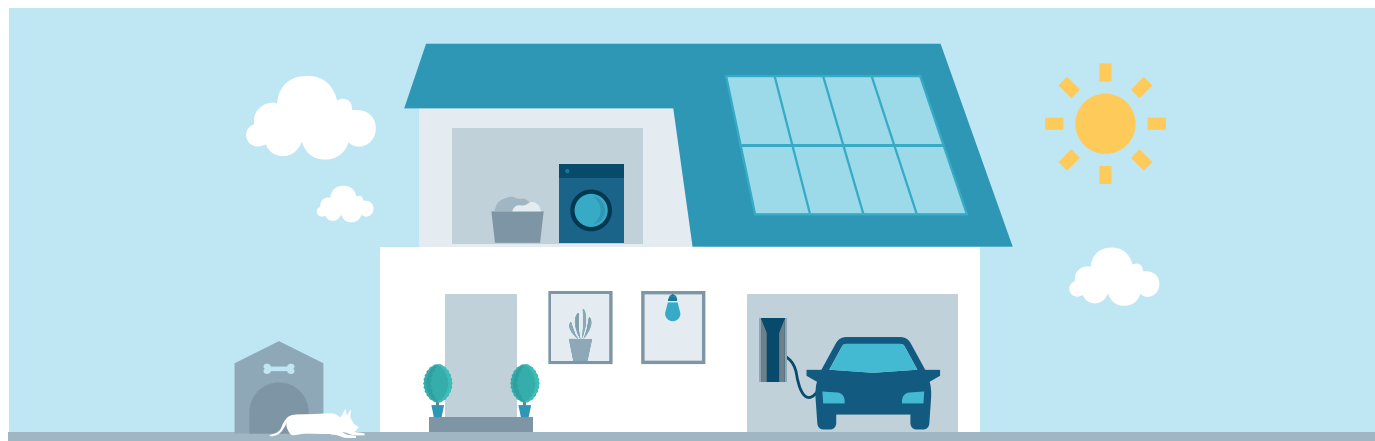
The VersiCharge AC charger can be connected to the customer's preferred back-end system making it scalable and cost-efficient. It also offers embedded metering and can interact with a building management system, such as Siemens Desigo CC and Siemens WinCC for dynamic load management that smartly adjusts 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.

Parking | Residential | Workplace | Retail

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 charger is revenue accurate, and offers cutting edge technology with the most affordable pricing.

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 data plans 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
Standard Post - can support one or two chargers. Comes with install kit, made of Aluminum. Includes 3 year warranty.	US2:VCPOSTGRY2
Standard Post Cable Retraction Unit - used with US2:VCPOSTGRY2 post design. One required for each charger. Includes 3 year warranty.	US2:VCCMSSP

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