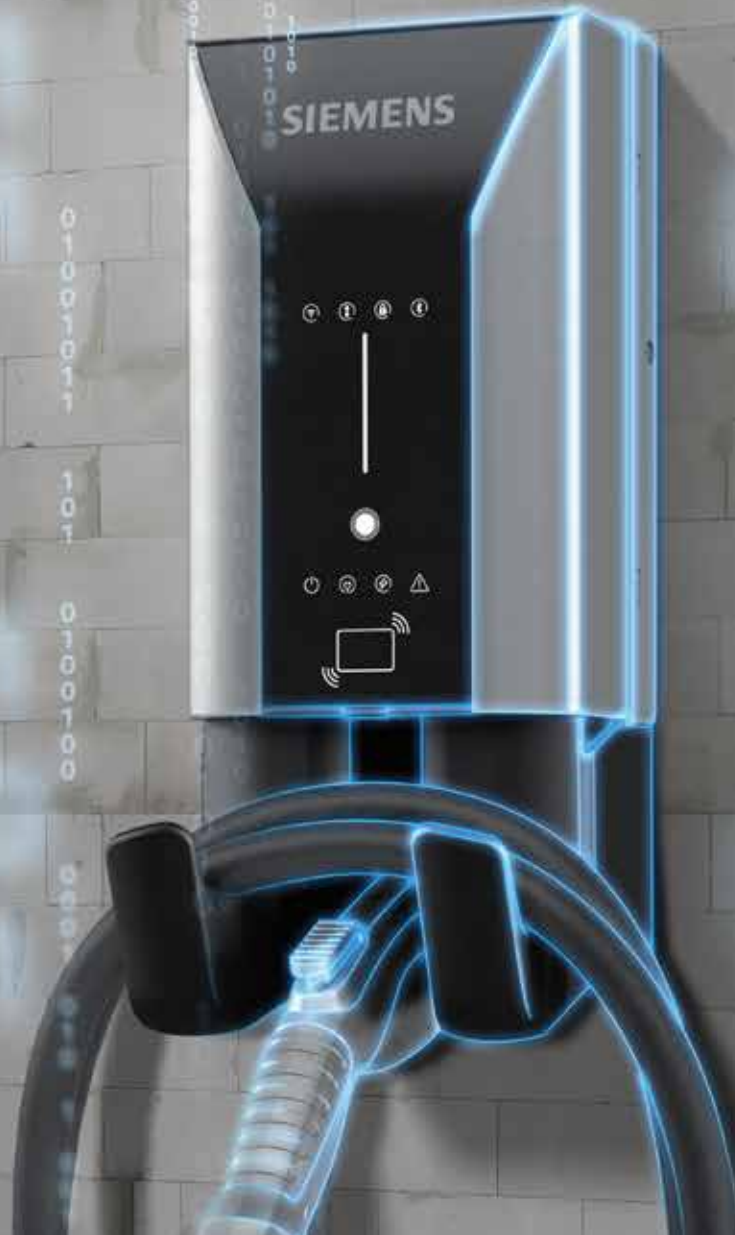


SIEMENS

Ingenuity for life



Charging on with
cutting edge technology

VersiCharge AC series

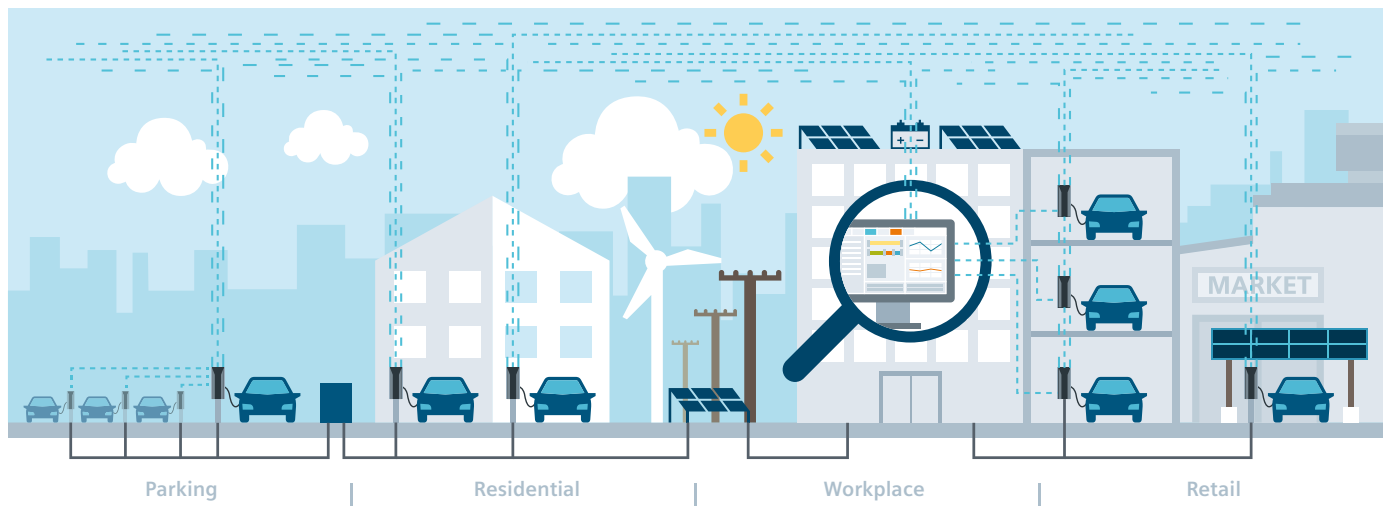
[siemens.ca/versicharge](https://www.siemens.ca/versicharge)

Powerful, versatile, cost-efficient

The VersiCharge AC series

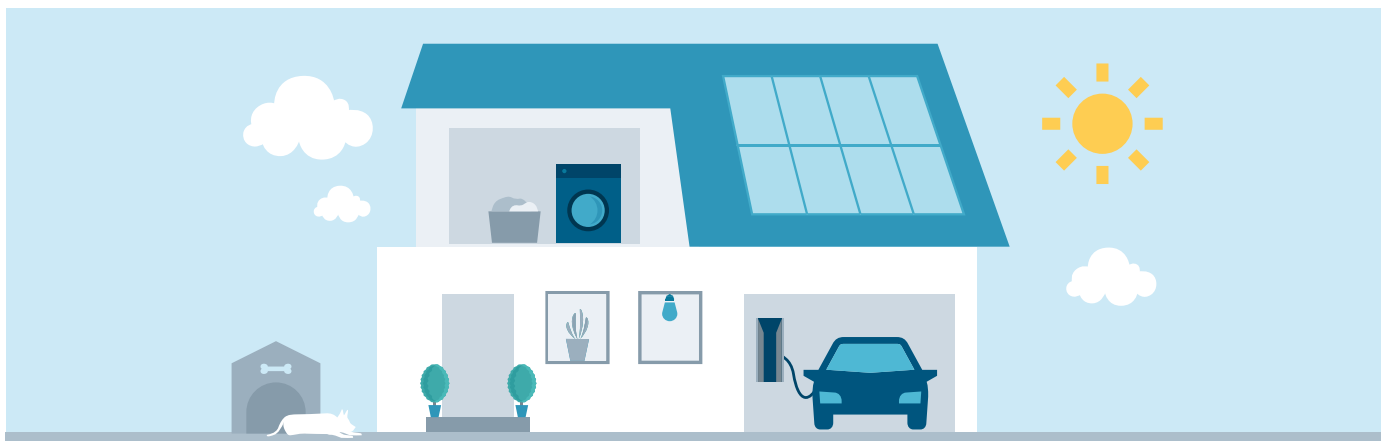
Siemens VersiCharge chargers have stood for superior quality, ruggedness, and proven technology for more than a decade and have reliably provided millions of charges to EV (electric vehicle) drivers worldwide. The new third generation VersiCharge AC charger is continuing this tradition with numerous 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 revenue-accurate metering and can interact with building management system, such as Siemens Designo 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, VersiCharge AC charger comes with an easy-to-use mobile application and can charge any standard EV with just a tap of a button from your phone. VersiCharge AC home charger is energy star certified, and offers you 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 (40 A) or 11.5 kW (48 A) | | | | | | | |
| Mounting options | Wall and post mounting, see accessories | | | | | | | |
| Touch Button | Time delay, return to max power level, reset ground fault | | | | | | | |
| Charging status LEDs | Power, Cold start, time delay, charging state, reduced power level, authentication | | | | | | | |
| Communication status LEDs | Connected / not connected during operation, signal strength during commissioning | | | | | | | |
| Parent / child | Connect up to 10 child units by Wi-Fi (200 ft line of sight) and 24 child units by serial Modbus RS485. Each unit is provided with one Ethernet port. | | | | | | | |
| 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), ready for plug-and-charge acc. to ISO 15118 (upgradeable OTA) | | | | | | | |
| Configuration | via Siemens mobile app | | | | | | | |
| Back-end protocol | OCPP 1.6, upgrade-able to OCPP 2.0 | | | | | | | |
| 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 (75C rated wire) | | | | | | | |
| Network type | Single phase / split phase | | | | | | | |
| Energy metering | revenue accurate, ANSI C12.20 compliant metering | | | | | | | |
| Ground fault protection | 20 mA | | | | | | | |
| DC residual current monitoring | Not applicable | | | | | | | |
| 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 10 | | | | | | | |
| Dimensions (HxWxD) | 40.9 x 18.1 x 9.6 (cm) / 16.10 x 7.09 x 3.78 (in) | | | | | | | |
| Weight | 7.7 (kg) / 17 (lbs) | | | | | | | |
| Ambient conditions | Operating temperature: -35°C to 50°C (-31°F to 122°F), Storage Temp.: -40°C to 60°C (-40°F to 140°F), 98% non condensing | | | | | | | |
| Colours | 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 | HW ready for ISO 15118 | Wi-Fi and Ethernet | Modbus RTU / TCP | RFID identification | Revenue grade metering | LTE WCDMA |
| Residential versions | Basic | 40 A | 8EM1312-4AF10-0AA3 | – | – | – | – | – |
| | | 48 A | 8EM1312-5AF10-0AA3 | – | – | – | – | – |
| | High End | 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 | 8EM1310-4CF14-1GA1 | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | 48 A | 8EM1310-5CF14-1GA1 | ✓ | ✓ | ✓ | ✓ | ✓ |