

Setting the stage

Benefits designed for you



Smart building integration

- Monitor and control through Siemens Designo 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

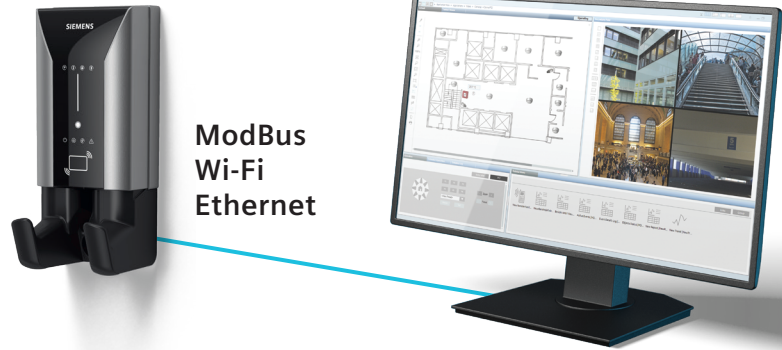
- Cost effective
- Third generation VersiCharge AC charger
- Quality by Siemens



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 Designo to allow for many use cases including dynamic load management.



ModBus
Wi-Fi
Ethernet



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:VCPSTGRY2
Cable retraction system used only for US2:VCPSTGRY2 (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