SIEMENS

Energizing the evolution of eMobility

VersiCharge™ AC series

siemens.com/versicharge

Making a difference

Key features

Compatibility with all common electric vehicles and applicable charging standards plus easy to use, comfort functions such as delayed and planned charging ensure a high degree of customer convenience.

Rugged housing fit for outdoor applications (NEMA 4)

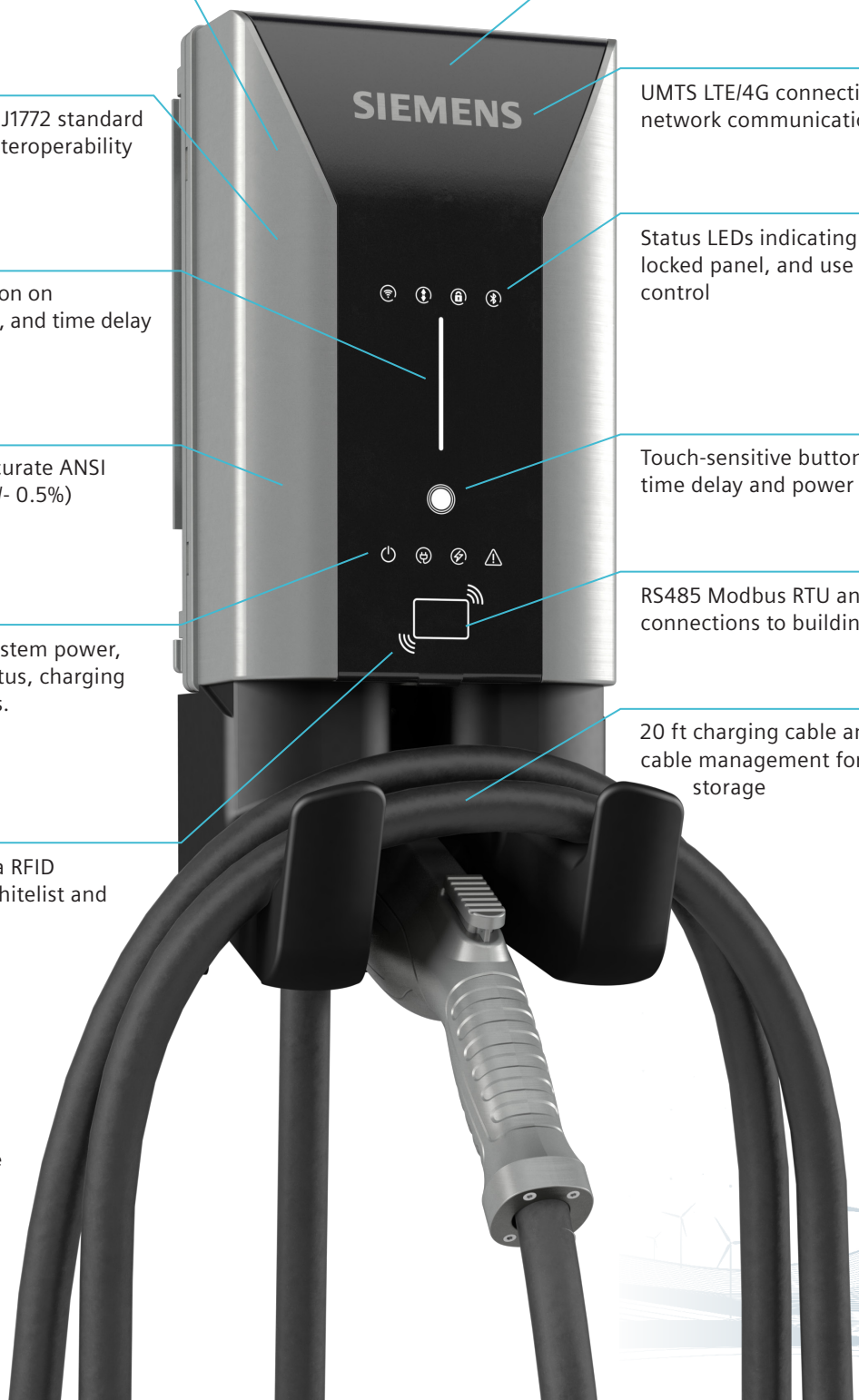
UL listed and tested to J1772 standard to ensure safety and interoperability with all standard EVs

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

Integrated revenue accurate ANSI compliant metering (+/- 0.5%)

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

RS485 Modbus RTU and Modbus TCP connections to building management

20 ft charging cable and integrated cable management for convenient storage

*ERK metering via software update is coming in 2021

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	Connects up to 24 child units per parent unit to the back-end via Ethernet, ModBus or Wi-Fi (appr. 200 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 authentification	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)	16.10 x 7.09 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	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						