Energizing the era of e-mobility

VersiCharge AC series

siemens.com/versicharge

VersiCharge AC wallbox – technical data

Features and functions	
Charging mode	Mode 3 charging, level 2
Vehicle connection	Type 2 socket, 32 A, or 7-m cable with type 2 32 A plug and integrated cable management
AC power output	1 phase: up to 7.2 kW, or 3 phase: up to 22 kW
Environment	Indoor and outdoor
Mounting options	Wall- and pole-mounting, see accessories
Touch button	Time delay, return to max. power level
Charging status LEDs	Powered up, cold start, time delay, charging state, reduced power level, authentication
Communication /status LEDs	Connected / not connected during operation / signal strength during commissioning
Parent / child	Up to 24 child units per parent unit for combined communication to backend
Load management	via OCPP or Modbus
Communication	
Interfaces	Ethernet, Wi-Fi, Modbus RS-485, Modbus TCP/IP, for parent units additionally GSM, LTE, 3G/4G
User authentification	RFID card (local whitelist, MiFare), ready for plug-and-charge acc. to ISO 15118 (upgradeable OTA)
Configuration	via Siemens mobile app
Backend protocol	OCPP 1.6, upgradeable to OCPP 2.0
Software upgrade	Remote update possible
Electrical design	
Power supply voltage	Single phase: 230 V / 7,2 kW, three phase: 400 V / 22 kW; 50 Hz
Rated current settings (A)	10, 13, 16, 20, 32
Cross wire section	Single phase: 10 mm^2, three phase: 10 mm^2
Network Type	TT / TN / IT
Energy metering	revenue accurate MID metering, German ERK upgradeable
AC ground fault detection	30 mA AC
DC leakage detection	≤6 mA DC
RCD / FI	not integrated
Voltage protection	Undervoltage: 167 V (min. 80V) / overvoltage: 267 V (max. 275 V)
Overcurrent protection	Current +10% above configured threshold, min. +2A, 5 seconds
Operating altitude	2,000 m
General design	
IP and IK rating (FOR IEC)	IP 56, IK 10
Dimensions (HxWxD) (mm)	446 x 180 x 158
Weight	Cable version: 5.7 kg, socket version: 4.3 kg
Ambient conditions	Operating temperature: -30℃ - +50℃, storage temp.: -40℃ - +60℃, 98% non condensing
Colors	Silver metallic (Pantone 10077), Black
Certificates and standards	
CE certification	yes
EMC	EN 61000, VDE 0418-9, CISPR 14, 16, 22, Class B

			Max. current	Model number	HW ready for ISO 15118	Wi-Fi and Ethernet	Modbus RTU / TCP	RFID identification	Revenue grade metering	LTE UMTS
Child Unit	Cable	Single Phase		8EM1310-2EJ04-0GA0	✓	✓	✓	✓	✓	–
		Three Phase		8EM1310-3EJ04-0GA0						
	Socket	Single Phase		8EM1310-2EH04-0GA0	✓	✓	✓	✓	✓	–
		Three Phase		8EM1310-3EH04-0GA0						
Parent Unit	Cable	Single Phase		8EM1310-2EJ04-3GA1	✓	✓	✓	✓	✓	✓
		Three Phase		8EM1310-3EJ04-3GA1						
	Socket	Single Phase		8EM1310-2EH04-3GA1	✓	✓	✓	✓	✓	✓
		Three Phase		8EM1310-3EH04-3GA1						