Energizing the evolution of eMobility

VersiCharge AC series

siemens.com/versicharge

VersiCharge AC wallbox – technical data

Features and functions	
Charging mode	Mode 3
Vehicle connection	Type 2 socket, 32 A or 7-m cable with type 2/32 A plug and integrated cable management
AC power output	Single phase: up to 7.4 kW or three-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, 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, 4G
User authentification	RFID card (local whitelist, MiFare), ready for plug-and-charge acc. to ISO 15118 (upgradeable OTA)
Configuration	via Siemens mobile app or Siemens PC Tool
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	10 / 13 / 16 / 20 / 32 A
Cross wire section	Single phase: 10 mm^2, three-phase: 10 mm^2
Network Type	TT / TN / IT
Energy metering	revenue accurate MID metering
AC ground fault detection	30 mA AC
DC leakage detection	≤6 mA DC
RCCB/ FI	not integrated
Voltage protection	Undervoltage: 167 V (min. 80 V) / overvoltage: 267 V (max. 275 V)
Overcurrent protection	Current +10% above configured threshold, min. +2 A / 5 seconds
Operating altitude	2,000 m
General design	
IP and IK rating (FOR IEC)	IP 56, IK10
Dimensions (HxWxD)	446 mm x 180 mm x 158 mm
Weight	cable: 1~ 8kg; 3~ 9.5kg / socket: 1~ 5.6kg; 3~ 5.8kg
Ambient conditions	Operating temperature: -30°C - +50°C, storage temp.: -40°C - +60°C, 98% non condensing
Colors	Silver metallic (Pantone 10077), Black
Certificates and standards	
Certifications	$C\epsilon$
Standards	IEC 61851-1, IEC 61851-21-1, EN 61000-3-3, IEC 62196-1

IEC variants		Parent	Child
Single phase	Cable	8EM1310-2EJ04-3GA2	8EM1310-2EJ04-0GA0
	Socket	8EM1310-2EH04-3GA2	8EM1310-2EH04-0GA0
Three-phase	Cable	8EM1310-3EJ04-3GA2	8EM1310-3EJ04-0GA0
	Socket	8EM1310-3EH04-3GA2	8EM1310-3EH04-0GA0