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Signature West Pryor EV Chargers

Siemens Submittal Package
Date: 12/19/2022

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, Cold start, time delay, charging state, reduced power level, authentication
Communication status LEDs	Connected / not connected during operation, signal strength during commissioning
Parent/child Network:	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 as well.
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
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	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						

Back-end protocol: OCPP 1.6, upgradeable to OCPP 2.0 (Not available in Residential Basic)

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

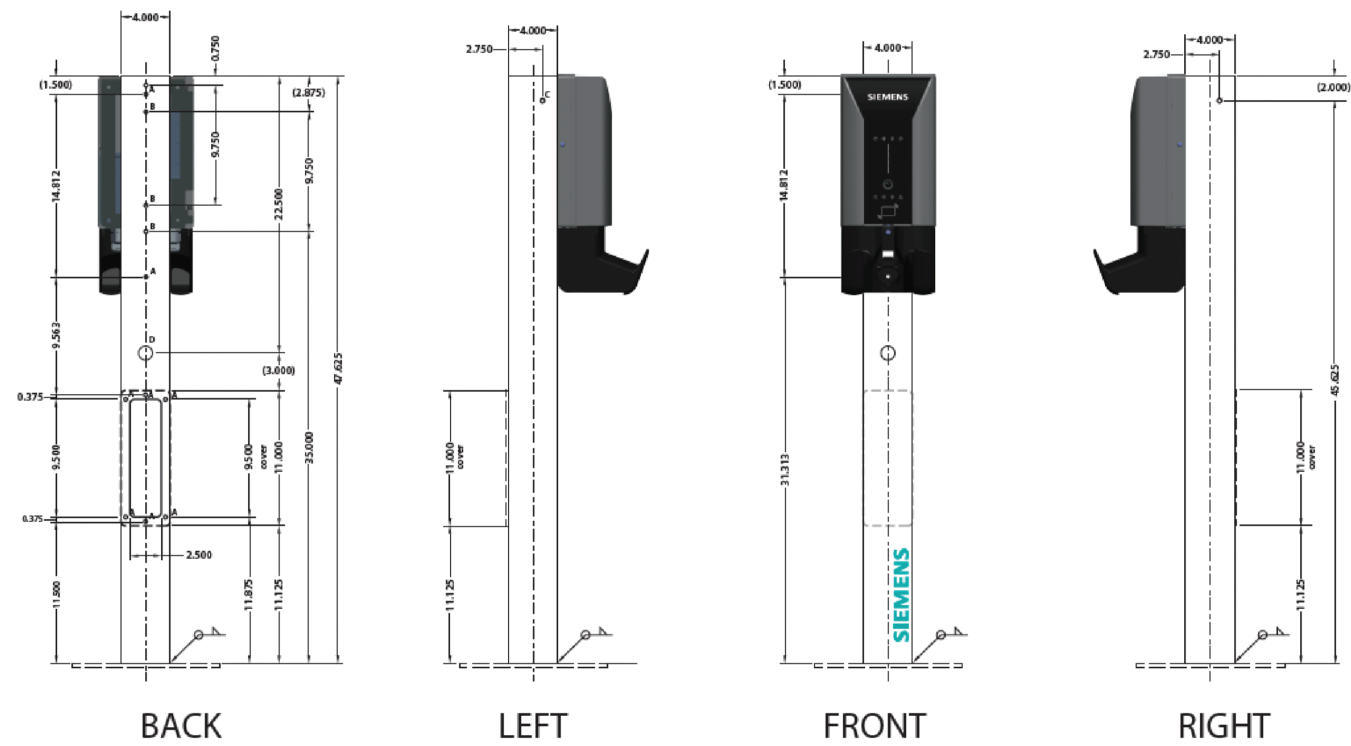| Description	Post Catalog Number
Standard VersiCharge post (back-to-back) - can support one or two chargers	US2:VCPOSTGRY2
Cable retraction system used only for US2:VCPOSTGRY2 (two chargers require two US2:VCCMSSP)	US2:VCCMSSP

- **Mount VersiCharge**
  Enjoy the freedom of installing any VersiCharge EV charger wherever it is needed with a free-standing post.

  This allows for an easy future expansion.

- **Secure the charger**
  Convenient, tamper-resistant screws in the VersiCharge mounting bracket design provide a secure installation.

- **Installation kit included**
  Looking for a complete (italicize complete) solution, the VersiCharge post comes with a full installation kit that includes mounting hardware,flex conduit, termination glands, and more.

- **PV fade-resistant and rust-resistant finish**
  The VersiCharge Post is ready to withstand tough weather conditions like PV fading and salt water spray. It is built to the standard of all other Siemens NEMA 4R enclosures, and can be located either indoors or outdoors.

- **Multiple wiring options**
  Power supply wiring: run the power supply underground or through the side of the post.

- **Cable retraction system**
  The optional cable retraction system conveniently stows the charging cable out of the way for a clean, safe design. The unit can be attached to a single or dual post by using pre-drilled holes ensuring exact placement on the post.
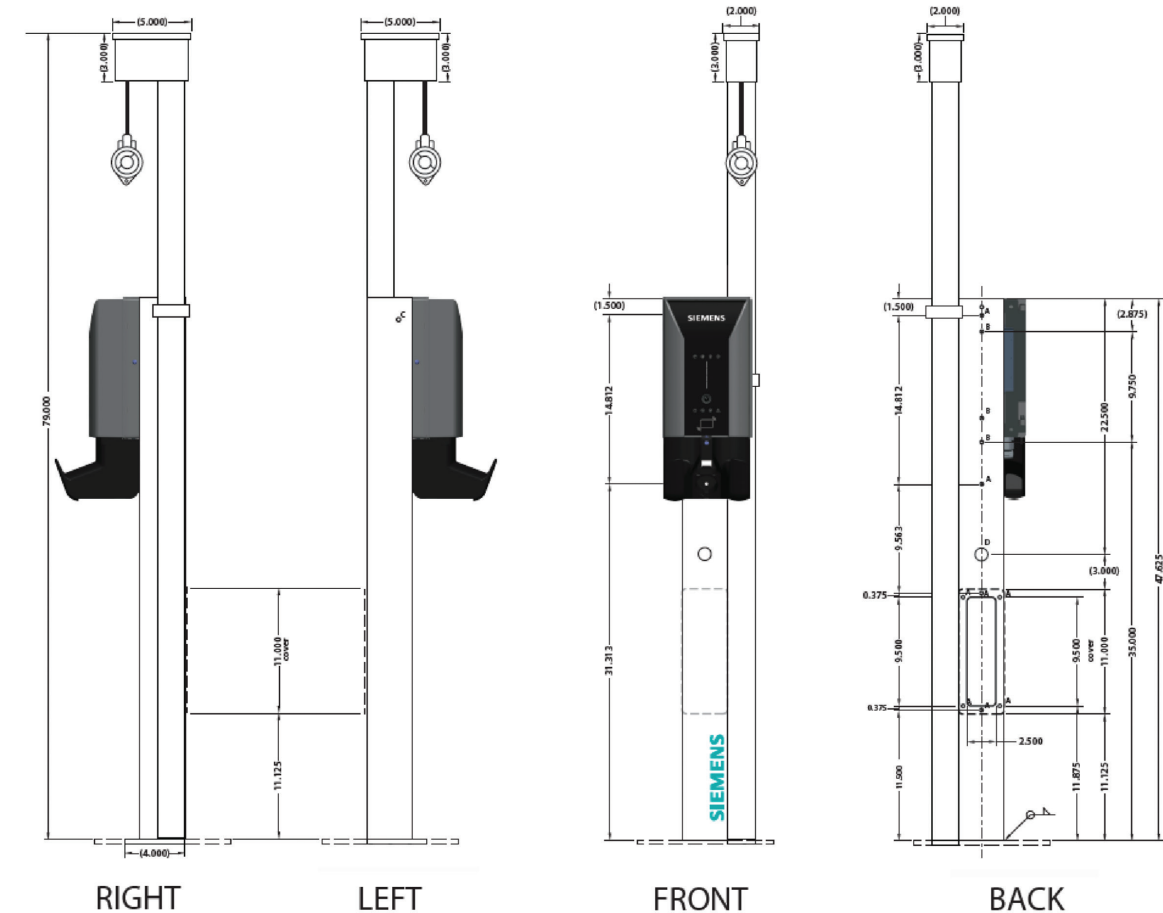
  Each cable retraction system supports one charger and can be added at any time.
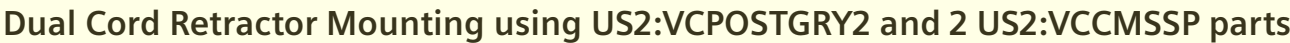
  NOTE: This simple weight and pulley system doesn't require any maintenance and can be added at any time.

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Single VersiCharge Mounting using US2:VCPOSTGRY2

BACK   LEFT   FRONT   RIGHT

Single Cord Retractor Mounting using US2:VCPOSTGRY2 and US2:VCCMSSP

RIGHT   LEFT   FRONT   BACK

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Dual VersiCharge Mounting using US2:VCPOSTGRY2

BACK   LEFT   FRONT   RIGHT

Dual Cord Retractor Mounting using US2:VCPOSTGRY2 and 2 US2:VCCMSSP parts

RIGHT or LEFT   FRONT   BACK

Legal Manufacturer

Siemens Industry, Inc.
3617 Parkway Ln
Peachtree Corners, GA 30092
United States of America

Telephone: +1 (800) 333-7421
helpline.sii@siemens.com

Order No. SIDS-B40012-004AUS
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