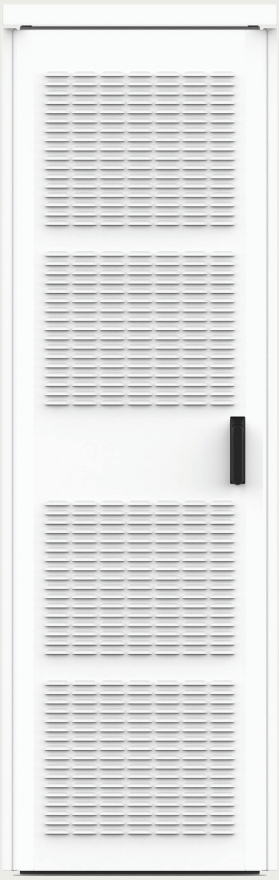
Features

- Easy to install
- Liquid cooled
- Low maintenance
- Cable management
- 10" screen
- CCS1
- CHAdeMO
- Credit card reader
- IP65
- Comes with external isolated power control cabinet



VERSICHARGE™

Ultra 175™ DC Charger

usa.siemens.com/emobility

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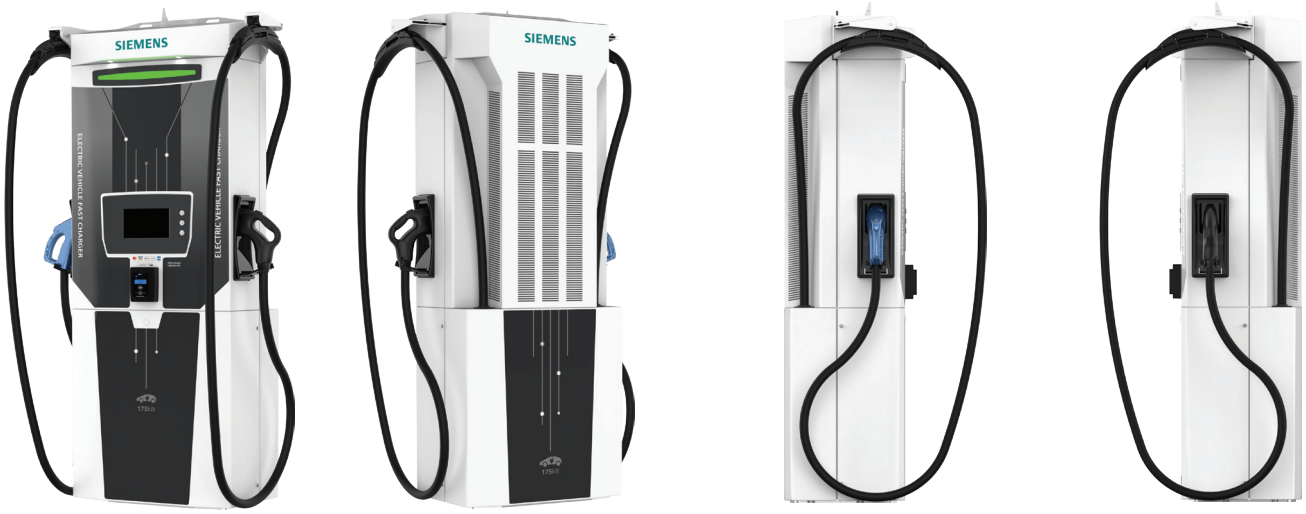
VersiCharge Ultra 175™

Technical Data



User Unit	
Connectors	Dual: CCS and CHAdeMO
Connector Type(s)	CCS1 and CHAdeMO
Output Voltage	200 V - 920 VDC
Output Current	CCS: up to 350 A CHAdeMO: up to 200 A
IP Rating	IP65 (NEMA 3R)
IK Rating	IK10 (IK8 Screen)
Efficiency	98.5% at full load (350 A, 500 V)
Operating Temperature	-30˚C to 50˚C (-22˚F to 122˚F)
Storage Temperature	-55˚C to 80˚C (-67˚F to 176˚F)
Credit Card Reader	Included
RFID Reader	Fitted standard
Dimensions	2,011 mm (6'7") (H) x 993 mm (3'3") (W) x 532 mm (1'9") (D) Note: Width excludes plugs
Weight	277 kg / 611 lb
Shipping Weight	310 kg (683 lb) (estimate)
Authentication / Payment	Credit card reader with RFID
Cable Length	4.1 m reach (13'5" reach)
Cable Management	Fitted standard
Compliance	UL NRTL certification FCC Class A

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VersiCharge Ultra 175™

Technical Data

Isolated Power Unit	
Input Voltage	US: (480 VAC): 480 VAC 3ph ±10% | 60Hz ±10% | 225 A nominal | 250 A maximum (at low line level)
	Canada: (600 VAC): 600 VAC 3ph ±10% | 60Hz ±10% | 180 A nominal | 200 A maximum (at low line level)
Input Overvoltage Category	Category III
Output Voltage | Power	950 VDC | Up to 178 kW
Isolation Between AC Mains & EV	Reinforced isolating tranformer with double / reinforced insulation
Efficiency	96% at full load
Power Factor	>0.99
Total Harmonic Distortion (THD)	<5%
Operating Temperature	-10˚C to 50˚C (14˚F to 122˚F) 5% to 95% RH non-condensing (without optional cold kit) -30˚C to 50˚C (-22˚F to 122˚F) 5% to 95% RH non-condensing (with optional cold kit)
Storage Temperature	-55˚C to 80˚C (-67˚F to 176˚F) 5% to 95% RH non-condensing
Network Connection	Ethernet to dispenser unit
Weight	With transformer: 988 kg (2,178 lb)
Shipping Weight	With transformer: 1,078 kg (2,377 lb)
Dimensions	2,110 mm (6'11") (H) x 650 mm (2'2") (W) x 1,055 mm (3'6") (D)
IK Rating	IK10
IP Rating	IP55 (NEMA 3R)
Wireless Uplink	3G / 4G cellular communications with failover redundancy
Wired Uplink	Ethernet
Power Supply	Battery-backed UPS functionality for reliable telemetry at all times
Software Support	OCPP v1.6J support for management and billing
Security	SSH with EC keys and unique password for manufacturer diagnostics
Power Control	Supports OCPP charging profiles (OCPP v1.6J)
Control Platform	Included in the power unit
Power Sharing (Optional)	Configurable site-level power demand management

EMC				
EMC	USA:	FCC	Immunity: Class A	Emissions: Class A

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VersiCharge Ultra 175™

Technical Data

AC Grid Interface	
Voltage	US: (480 VAC): 480 VAC 3ph ±10% Canada: (600 VAC): 600 VAC 3ph ±10%
Frequency	US & Canada: 60Hz ±10%
Maximum Current At Low Line Level (Nominal Voltage -10%) **And Pf = 0.99**	US: (480 VAC): 250 A Canada: (600 VAC): 200 A
Over Current Protection Device Required (OCPD) In Site Distribution Board	US: (480 VAC): 320 A UL Listed Circuit Breaker (recommended) (The circuit breaker nominal rating MUST not exceed 320 A in order to maintain primary protection for the LV transformer in the IPU)
	Canada: (600 VAC): 250 A UL Listed Circuit Breaker (recommended) (The circuit breaker nominal rating MUST not exceed 250 A in order to maintain primary protection for the LV transformer in the IPU)
Fault Current Limiting Fuses In Site Distribution Board	Current limiting fuses or a UL recognized current limiting circuit breaker MUST be installed if the available fault current exceeds 18 kA. Note: The IPU has an option to upgrade the SCCR to 100 kA.
Residual Current Monitoring In Site Distribution Board (Optional)	If a residual current monitoring device is required by local regulation it shall be of the time delay type.
Under-Voltage Relay In Site Distribution Board (Optional)	The isolated power unit includes circuitry to locally isolate the charger's power circuit if the safety loop that monitors the door switches and tilt sensors is triggered. The IPU can also be isolated upstream in the event of a safety loop trigger event by including an under-voltage relay coil on the feeder circuit breaker in the site distribution board. VersiCharge™ chargers should only be installed by a licensed contractor and a licensed electrician in accordance with all local and national codes and standards to meet current NEC and NFPA 70E requirements. This may include additional lockable disconnect mechanisms within the line of sight of the supplied equipment.
Minimum Buried Cable Size For AC Link (Length of AC link cables and system efficiency should be considered when sizing cables)	US: (480 VAC): Twin: 3/0 Cu for L1, L2, L3 Single: 3/0 Cu for PE Canada: (600 VAC): Twin: 1/0 Cu for L1, L2, L3 Single: 1/0 Cu for PE
Maximum Length Of Buried Cables For Minimum AC Link Cable Size Specified	200 m (656 ft) (To maintain feeder voltage drop below 3%)

Note: Site review is required for all VersiCharge Ultra 175 charger installations. Please contact Siemens eMobility support for pricing.

Catalog Number	Description
US2:VSCULT175SAGC	175 kW charger with credit card reader and external power control cabinet

Legal Manufacturer

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

Telephone: +1 (800) 333-7421 for general questions; (855) 950-6339 or www.usa.siemens.com/createcase for service.

Article No. SIE-T40025-00-4AUS

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