

SCALABLE AND SUSTAINABLE EV CHARGING INFRASTRUCTURE

VersiCharge™ XL

usa.siemens.com/versicharge-xl

Deploying EV infrastructure, the easy way

Electric vehicle (EV) adoption is accelerating at rapid rates – from fleets to personal vehicles - which is why Siemens has developed a unique solution to help scale up EV infrastructure to meet the fast-growing demand. VersiCharge XL is the first EV charging structure that is comprised of sustainable, low carbon building materials that is modular and scalable by design to help quickly and efficiently install and maintain.

This solution contains all necessary electrical infrastructure components that power EV chargers in an aboveground, enclosed, and durable low carbon structure that can easily be deployed in existing or new parking lots.



Figure 1: VersiCharge XL EV Charging Station

SIEMENS

Benefits of getting EV charging off ground at scale

Running cable/conduit networks underground to feed each EV charger from the power distribution equipment may seem ideal for greenfield projects that are small and do not require substantial future proofing. However, as your infrastructure needs scale, these projects can quickly turn into costly ventures and make it inaccessible for maintenance and upgrades. VersiCharge XL's aboveground design requires minimal disruption to existing parking lots by eliminating costly, time-consuming, and substantial civil works and reduces onsite construction waste and environmental impact. In addition, VersiCharge XL is easily accessible for maintenance, upgrades, and VersiCharge XL additions, should you choose to add on more bays.

VersiCharge XL leverages proven power distribution solution technologies that are typically used in indoor industrial facilities (called Busway) and raises it above ground in a weather resistant, outdoor enclosure. Busway technology then powers the EV chargers. VersiCharge XL is designed to support level 2 EV chargers for various applications – from office building parking lots to last-mile logistic hubs as well as large parking usage lots, like stadiums. Rather than taking weeks or months for installation, VersiCharge XL can be installed within days.



Modular and scalable

Stack additional bays as you scale your infrastructure



Quick installation

Easily install within days vs. weeks or even months



Cost-effective

Less trenching and civic works to minimize costs



Sustainable

Made from lower carbon solutions designed to support cleaner air quality

Proven technology and solutions

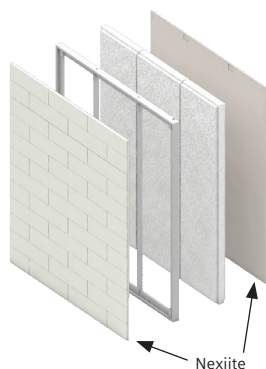


Figure 2: Nexiite

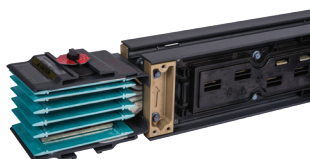
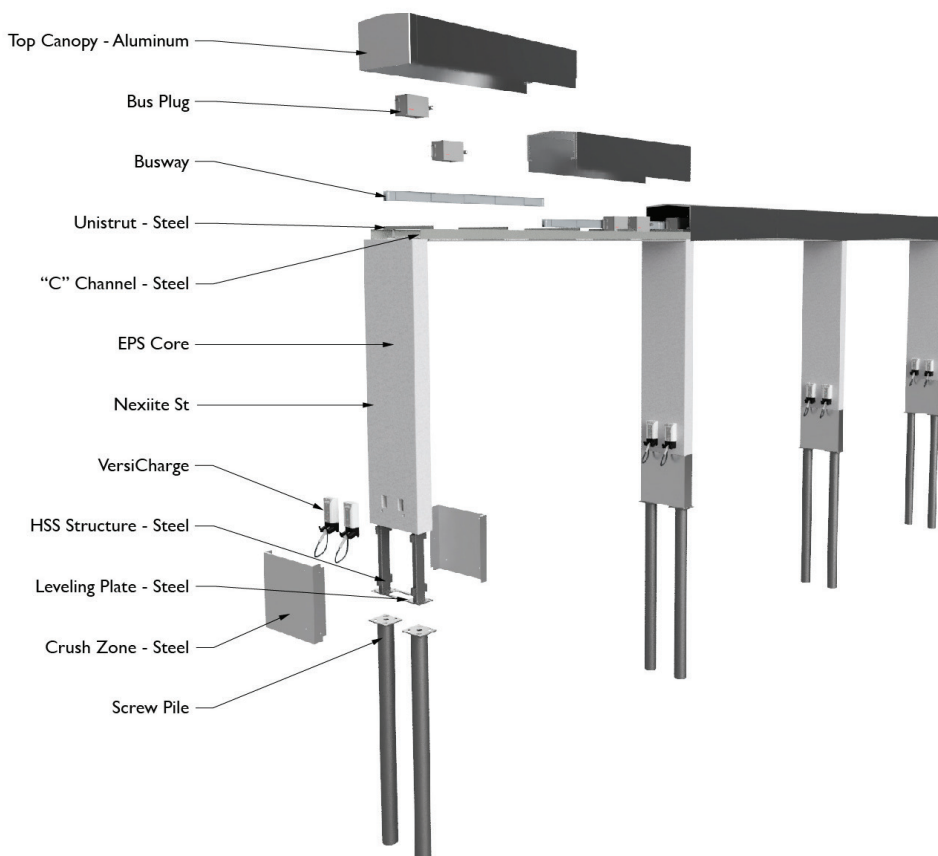


Figure 3: Sentron Busway



Figure 4: VersiCharge™ AC



Nexiite is a sustainable alternative to conventional concrete, comprised of sand, high-quality aggregate and a binder, with no Living Building Challenge (LBC) Red List materials.

This composition facilitates a rapid curing process, attaining higher compression strength faster than concrete. Nexiite has up to 36% lower carbon emissions during production than Portland cement concrete.

Sentron Busway consists of modular fittings that are composed of copper/aluminum conductors enclosed in aluminum housing. These fittings are assembled flexibly to meet power requirements through routings and power tap-offs along the line of Busway. Through the consolidation of conductors into one package and the ability to tap off power at multiple points, Busway offers a compact solution compared to its cable alternatives.

VersiCharge AC EV chargers are level 2 with up to 11.5 kW of AC (alternating current) power for any public charging or fleet charging application. Compatible with all common EVs and applicable charging standards, VersiCharge EV chargers are easy to use and have convenient features like open payment options with secure billing, flexible communication connections, OCPP, delayed and planned charging, and an easy-to-use app.



Sentron Busway*

Amperage	800A
Electrical Configuration	3P4W
Voltage	up to 600V
Grounding	Internal (Housing)
Conductive Matieral	Aluminum
Ingress Protection	IP55



Sentron Fusible Bus Plug (SLVBH3224)

Amperage	60A
Electrical Configuration	3P3W
Voltage	240V
Grounding	Internal (Housing)
IP Rating	IP55

Charger Options available as required

* Busway components to include 10 ft. Riser Sticks (w/ Joint Stacks), Vertical End Cable Tap Boxes, Trapeze Hanger Hardware, and End Closer fitting.



VersiCharge XL

Amperage	800A	
Charger Count	Up to 12	
Parking Stall Width	10 ft / 11 ft	20 ft / 22 ft Bridge Sections
Panel Height	10 ft / 15 ft	
Parking Orientation	Nose-Nose/Single	2 Chargers per panel face/1 charger per panel face
Parking Angle	90 Degrees	

Legal Manufacturer

Siemens Industry, Inc.
3617 Parkway Ln
Peachtree Corners, GA 30092
United States of America
Telephone: +1 (800) 333-7421
www.usa.siemens.com/versicharge-xl
Order No. PDFL-VERS-0323
© 03.2023, Siemens Industry, Inc.

Nexii
200-1455 West Georgia Street
Vancouver, BC, Canada
V6G 2T3
www.nexii.com

This document contains a general description of available technical options only, and its effectiveness will be subject to specific variables including field conditions and project parameters. Siemens does not make representations, warranties, or assurances as to the accuracy or completeness of the content contained herein. Siemens reserves the right to modify the technology and product specifications in its sole discretion without advance notice.

SIEMENS