

EV Charging Infrastructure Solutions

Building a reliable and sustainable future



Flexible, Progressive Solutions for Evolving Demands

We have built reliable electrical protection solutions for more than 75 years that increase uptime and improve productivity for our customers.

As the world continues to electrify and demands on electrical grid increase, we have designed reliable, durable and scalable solutions specifically for EV Charging Infrastructure applications.



EV Charging Infrastructure Solutions

PUBLIC CHARGING STATION

- 1 Wireway Solutions make installation and maintenance easy, providing labor and cost savings
- 2 Outdoor Wall-Mounted Enclosures and Junction Boxes provide superior ease of access without sacrificing a secure seal

AC/DC CHARGING INVERTER OR DC/DC CONVERTER

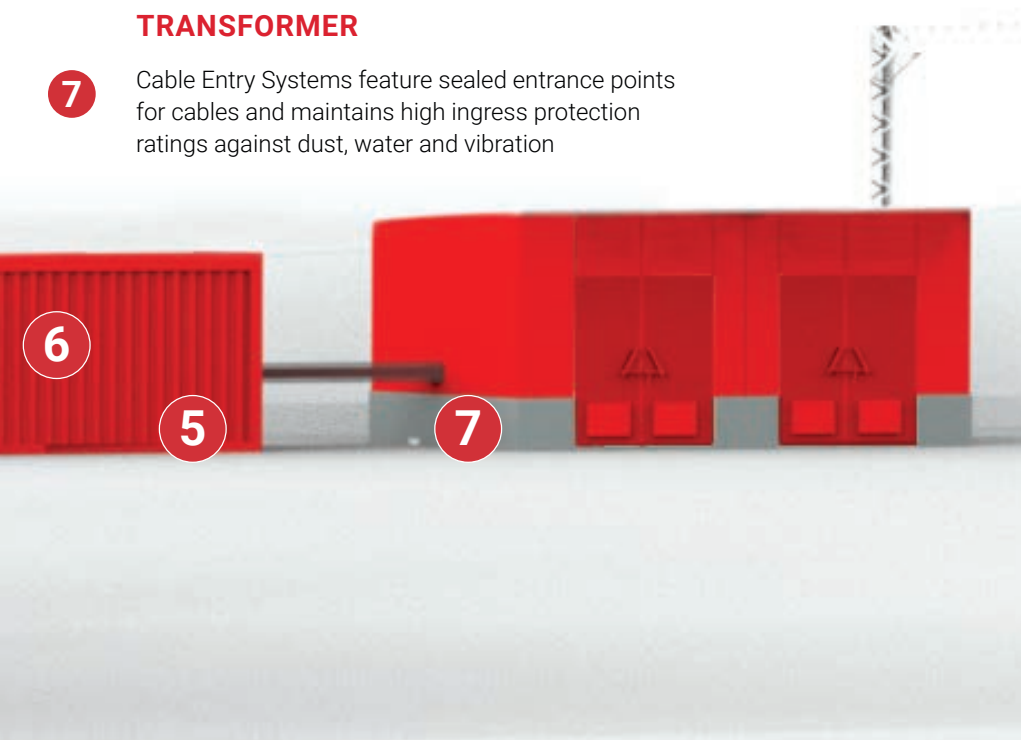
- 3 NEMA 3R Electrical Enclosures with passive cooling and anti-corrosive protection for reliable outdoor performance and durability

BATTERY ENERGY STORAGE SYSTEMS (BESS)

- 4 Outdoor-rated Air Conditioning with Remote Access Control for optimized performance of electronics
- 5 Power Connections and Grounding Solutions for reliable protection of property and personnel
- 6 Battery Energy Storage Systems provide a wide range of standard enclosures, climate control products and accessories that provides ultimate protection and reliability for all energy storage applications

TRANSFORMER

- 7 Cable Entry Systems feature sealed entrance points for cables and maintains high ingress protection ratings against dust, water and vibration



Resiliency and Protection

Our solutions add resiliency to critical systems by helping keep them safe from natural and man-made disruptions



Lifespan and Serviceability

Our solutions extend the lifespan of our customers' systems, reducing waste and lowering cost



Safer Solutions

Our solutions improve end-user safety and help our customers enhance the safety of their operations



Customer Productivity

Our solutions reduce labor cost in design and installation, improve utilization and reduce total cost of ownership

Enclosure for Electric Vehicle Charging Inverters

Get the reliability and durability needed to protect critical EV Infrastructure applications with nVent HOFFMAN Enclosures for EV Charging Inverters.

Proudly made in the USA with US steel to meet NEVI requirements needed for government funding. Designed for scalability and ease of use, our solutions help drive a sustainable and electrified future.



MADE IN THE USA
WITH US STEEL



UL TYPE 3R
DESIGN



RACKING PROVISIONS
AVAILABLE



UNIBODY FOR HIGH
WEIGHT-LOAD REQUIREMENTS



LOUVER PACKAGES AVAILABLE
FOR PASSIVE COOLING



SINGLE AND
DOUBLE DOOR



ANTI-CORROSIVE
PROTECTIVE COATING

NEVI-READY ENCLOSURE FOR THE FOLLOWING APPLICATIONS:

- Level 3 DC Fast-Charging station (200 kW to 340 kW)
- Commercial & fleet charging (340 kW to 800 kW)
- EV charging inverters, conversion stations and Battery Energy Storage Systems

Key Features and Benefits

Eye Bolts

- Provides easy loading onto EV pad at installation site

US Steel

- Made in the USA with US Steel to meet requirements for NEVI funded projects

PowerGlide Handles

- Padlock handle provides tamper resistance

Stainless Steel Hinges

- Maintains UL Type 3R rating and provides corrosion resistance

Two Door (front & back)

- Easy access for assembly and maintenance
- Louver packages available for passive cooling

Large Open Base

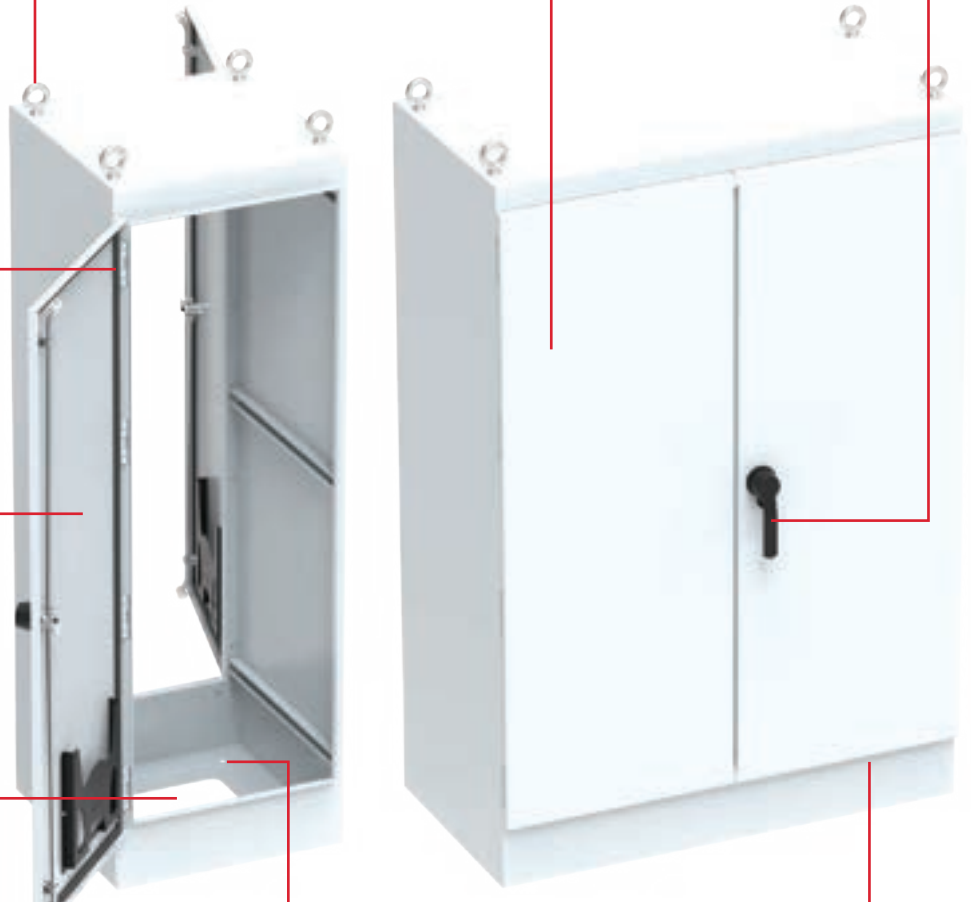
- Allows OEMs and integrators to easily dropship heavy inverters directly to the pad
- Contractors can easily make electrical connections without re-lifting on the jobsite

Drainage

- Provides dissipation for any moisture ingress
- Maintains UL Type 3R rating

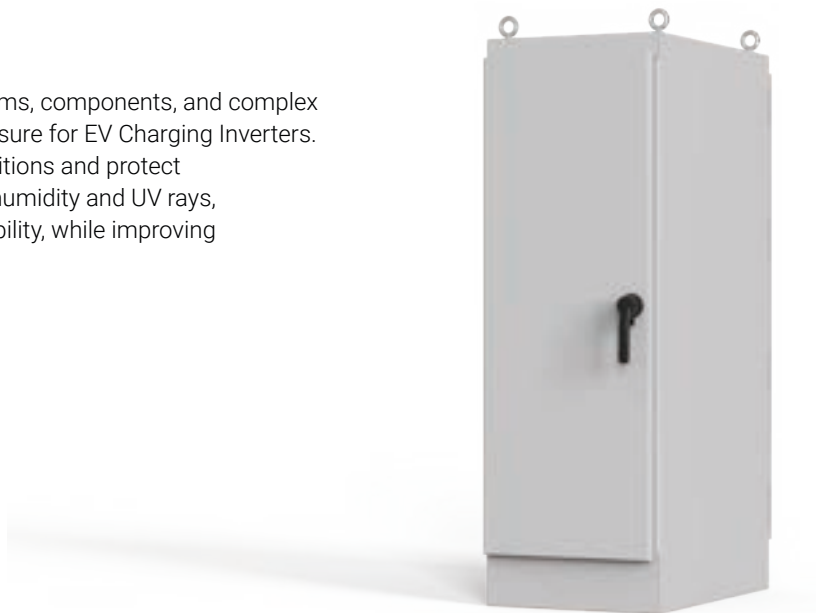
Heavy Duty Plinth

- Strong support for heavy loads (up to 3000 lbs)
- Anti-corrosive protective coatings to mitigate rusting



Durable EV Inverter Solutions for Maximum Uptime

Protect your mission critical EV Infrastructure systems, components, and complex mounting configurations with nVent Hoffman Enclosure for EV Charging Inverters. Built to handle the most challenging operating conditions and protect from corrosives, water, broad temperature swings, humidity and UV rays, our solutions are designed for ease of use and reliability, while improving end-user safety and installation time.



STANDARD PRODUCT ONE-/TWO-DOOR SINGLE-/DUAL-ACCESS

Catalog Number	A x B x C in./mm	Access	Number of Doors	Number of Rack Units
US603624FSG	60.06 x 36.06 x 24.06 1526 x 916 x 611	Single	1	28
US722424FSG	72.06 x 24.06 x 24.06 1830 x 611 x 611	Single	1	35
US722424FSDAG	72.06 x 24.06 x 24.06 1830 x 611 x 611	Dual	1	35
US723024FSG	72.06 x 30.06 x 24.06 1830 x 764 x 611	Single	1	35
US723024FSDAG	72.06 x 30.06 x 24.06 1830 x 764 x 611	Dual	1	35
US723624FSG	72.06 x 36.06 x 24.06 1830 x 916 x 611	Single	1	35
US723624FSDAG	72.06 x 36.06 x 24.06 1830 x 916 x 611	Dual	1	35
US723636FSG	72.06 x 36.06 x 36.06 1830 x 916 x 916	Single	1	35
US723636FSDAG	72.06 x 36.06 x 36.06 1830 x 916 x 916	Dual	1	35
US722436FSDAG	72.06 x 24.06 x 36.06 1830 x 611 x 916	Dual	1	35
US724824FSDG	72.06 x 48.06 x 24.06 1830 x 1221 x 611	Single	2	35
US724824FSDAG	72.06 x 48.06 x 24.06 1830 x 1221 x 611	Dual	2	35

Accessories

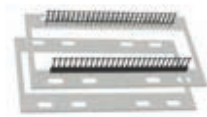
Provide value-added modifications to enclosures with easy-to-select, configure and install nVent HOFFMAN accessories. Designed to add in-field convenience and reduce assembly time increase productivity safety solutions to protect people and critical components.

SEISMIC RATING KITS

For free-stand single door enclosures to meet GR-63-CORE Zone 4 seismic standards include the following accessories (purchased separately):



Mounting Plate Kit



Seismic Rack Panel Kit



Seismic Panel Mounting Kit

RACK MOUNTING ANGLES

Used to install standard rack mounted equipment in enclosures that have back panel mounting provisions for easy installation.



DRIP SHIELD KIT

Concealed hinges protects door from dripping water ingress and settling dust providing long term reliability of the electronics inside.



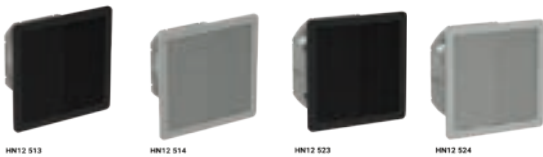
COMPACT LED LIGHT

Available with or without motion sensor. Simple through-wiring based on a plug-and-play system. Suitable for global use with a voltage range of 24–240 V. (AC/DC).



SIDE-MOUNT FILTER FANS

Quickly install into enclosure with a click-fit design; no tools or screws required for easy filter replacement.



NVENT ERIFLEX POWER DISTRIBUTION

Used to install standard rack mounted equipment in enclosures that have back panel mounting provisions for easy installation.



DOOR STOP KIT

Designed for use on nVent HOFFMAN enclosures to secure the door in an open position.



FILTER FAN SHROUD

Protect filter fan and exhaust grill from wind-driven rain and high-pressure hose water.



Additional accessories available to meet your needs, to learn more visit nvent.com/hoffman



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