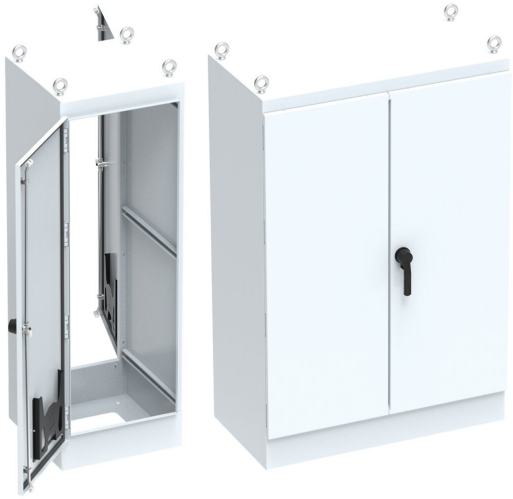
We connect and protect

Electric Vehicle Inverter, Free-Stand Enclosure



This series of Type 3R rated electrical enclosures has been designed specifically for the housing of Electric Vehicle (EV) Inverters that feed power to charging stations. To support EV Infrastructure projects and qualify for designated funding, these enclosures are made in the USA with US steel. The enclosures feature a robust and reliable unibody construction with flexible internal mounting capable of supporting heavy loads. Available standard in a number of door access configurations to suit application requirements.

INDUSTRY STANDARDS

UL 508A Listed; Type 3R; File No. E61997

cUL Listed per CSA C22.2 No. 94; Type 3R; File No. E61997

NEMA/EEMAC Type 3R

FEATURES

- Made in the USA with US steel
- Unibody design for high weight-load requirements and environmental protection assurances
- Open bottom plinth base for easy field installation
- Lifting eyes (quantity 4 per enclosure) for ease-of handling and transportation
- 3-point latches operated by oil-tight lockable handle for tamper resistance
- Water trough over door to prevent water ingress
- Concealed, easy-to-remove stainless steel hinges for simplified door removal and installation
- Optional panels and rack mounting angles can be mounted anywhere along channels for enhanced mounting flexibility (sold separately)
- Provisions for mounting LED Lights with occupancy/vacancy sensors
- Anti-corrosive paint and protective coating to maximize life even in tough weather environments

Finish: Powder Coated
Material: Steel
Color: White

SPECIFICATIONS

Catalog Number	Article Number	Height	Width	Depth	Thickness	Access
US723024FSG	61701	1830mm	764mm	611mm	2.66mm	Single Access
US723636FSG	61705	1830mm	916mm	916mm	2.66mm	Single Access
US722424FSG	61698	1830mm	611mm	611mm	2.66mm	Single Access
US723624FSG	61703	1830mm	916mm	611mm	2.66mm	Single Access
US603624FSG	61697	1526mm	916mm	611mm	2.66mm	Single Access
US723024FSDAG	61702	1830mm	764mm	611mm	2.66mm	Dual Access
US724824FSDG	61708	1830mm	1221mm	611mm	2.66mm	Single Access
US722424FSDAG	61699	1830mm	611mm	611mm	2.66mm	Dual Access
US723636FSDAG	61706	1830mm	916mm	916mm	2.66mm	Dual Access
US722436FSDAG	61707	1830mm	611mm	916mm	2.66mm	Dual Access
US723624FSDAG	61704	1830mm	916mm	611mm	2.66mm	Dual Access
US724824FSDAG	61709	1830mm	1221mm	611mm	2.66mm	Dual Access

ADDITIONAL PRODUCT DETAILS

The EV Inverter Free-Stand enclosure is a US made product to support EV Infrastructure projects. The enclosure is NEMA 3R rated to maintain compliance with industry standards.

This enclosure is based off of the A30 platform with new features to provide durability and extend the lifetime of EV Charging Inverters.

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE

©2026 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners. nVent reserves the right to change specifications without notice.

This document is system-generated.