



Features

- **Multiple 19" Rack Options for Flexible Equipment Mounting** - Available with a 19" 2U slanted rack, 19" 4U vertical rack, or an adjustable 19" 6U rack to support a wide range of equipment and installation requirements
- **Configurable Ventilation Options** - Choose from non-vented, passive vented, or vented with thermostat-controlled cooling fans for optimal thermal management
- **Modular Bottom Access Panel System** - Features a gasketed blank aluminum bottom access panel that can be replaced with optional modular panels for custom configurations
- **Expandable with Accessory Panels** - Optional plug-and-play panels available with vents, thermostat-controlled cooling fans, and 120VAC power outlets
- **Rugged Weatherproof Construction** - Molded from fiberglass reinforced polyester (FRP) that is UV stable, corrosion resistant, and built for harsh outdoor environments
- **Secure and Reliable Design** - Includes gasketed sealing, stainless steel hinges, and quick-release latches with padlock provision for protection against weather and tampering

Description

The **Altelix NF16 Series Fiberglass Weatherproof NEMA Enclosure** is a versatile, configurable solution designed to protect and house 19" rack-mounted equipment in demanding indoor and outdoor environments. Built from rugged fiberglass reinforced polyester, this enclosure offers excellent resistance to UV exposure, moisture, and corrosion while maintaining a professional, clean installation.

Multiple Rack Configurations - This updated design provides maximum flexibility with multiple rack configurations, including a 19" 2U slanted rack for shallow equipment access, a heavy-duty 4U vertical rack for standard deployments, or an adjustable 6U rack for higher-density installations. This allows the enclosure to accommodate a wide range of networking, audio/video, industrial, and telecom equipment in a compact footprint.

Flexible Ventilation and Cooling Options - To support varying environmental conditions, the enclosure is now available in several ventilation configurations. Users can select a sealed non-vented design for maximum protection, passive vents for natural airflow, or vented models with thermostat-controlled 120VAC cooling fans for active heat management—ideal for higher power equipment installations.

Modular Bottom Access Panel System - A new modular bottom access system enhances installation flexibility. The enclosure includes a gasketed blank aluminum access panel on the bottom, which can be easily replaced with accessory panels to meet specific project requirements. This panel can also be easily drilled and modified to meet specific application requirements. The included access panel for **NF162012LVF-BR** models features (3) sealed PG16 cable glands pre-installed in the panel.

Thermostat Controlled Cooling Fan - The **NF162012LVF-BR** models feature (2) 120VAC cooling fans mounted to the enclosure lid. The thermostat is pre-wired into the fan power cord. Power can be provided to the fans either by plugging into one of the optional 120VAC power modules or into an external power source. If using an external power source, an additional PG16 cable gland is provided for use with the fan power cord. A quick disconnect is provided on the fan power cord so it can easily be passed through the cable gland.

Customizable Power and Cooling Expansion - Optional accessory panels are available with integrated vents, thermostat-controlled cooling fans, and pre-wired 120VAC power outlets, allowing installers to easily add airflow or power without modifying the enclosure. Visit www.ALTELIX.com to see all the available panels for these enclosures.

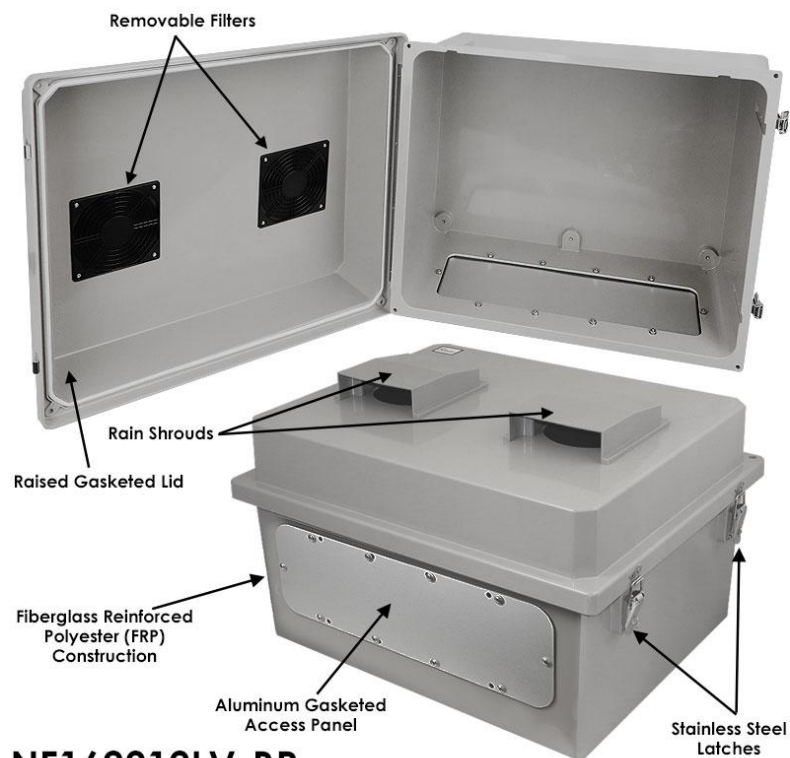
Extreme Protection Built to Last - These rugged JIC style NEMA enclosures are molded from durable UV stable and corrosion resistant fiberglass reinforced polyester (FRP) with a UL94-5V flame rating. The FRP material is dent-proof, non-conductive and RF transparent for compatibility with wireless equipment. It can be easily drilled and modified by the installer as needed. These enclosures feature improved stainless steel hinges with high quality 316 steel hinge pins for lasting durability in even the harshest of coastal environments. The gasketed door includes stainless steel quick release latches with padlock hasps.

Mounting - Stainless steel brackets are included for secure wall mounting. Optional flange and pole mounting kits are available. [Click Here](#) to view all available mounts for this enclosure.

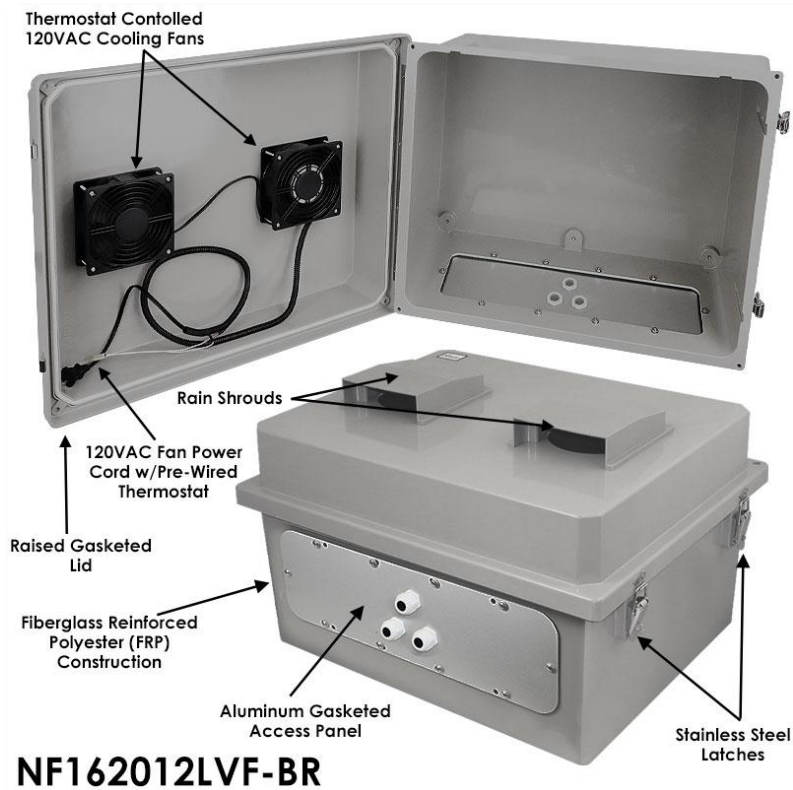
Base Enclosures



NF162012-BR



NF162012LV-BR



NF162012LVF-BR

Available Models – NF162012-BR**NF162012-BR2SU - Slanted 2U Rack****NF162012-BR6U - 6U Rack****NF162012-BRV4U - Vertical 4U Rack**

Available Models – NF162012LV-BR



Available Models – NF162012LVF-BR**NF162012LVF-BR2SU - Slanted 2U Rack****NF162012LVF-BRV4U - Vertical 4U Rack****NF162012LVF-BR6U - 6U Rack**

Available Equipment Racks

Slanted 2U Rack



Equipment shown for reference - not included.

Vertical 4U Rack



Equipment shown for reference - not included.

Horizontal 6U Rack



Rack Mount Equipment Shown For Reference,
Not Included

Available Equipment Racks

Modular Access Panels

See www.ALTELIX.com for All Available Models



Shown with optional NHM20A-A1C access panel installed

Enclosure Specifications

Model Number	NF162012-BR	NF162012LV-BR	NF162012LVF-BR
Enclosure Material	Fiberglass Reinforced Polyester	Fiberglass Reinforced Polyester	Fiberglass Reinforced Polyester
Color	Gray	Gray	Gray
Outer Dimensions (H x W x D)	17.9 x 21.8 x 12.7 In. (454 x 553 x 323 mm)	17.9 x 21.8 x 14.3 In. (454 x 553 x 363 mm)	17.9 x 21.8 x 14.3 In. (454 x 553 x 363 mm)
Inner Dimensions (H x W x D)	14.7 x 18.7 x 12.0 In. (374 x 475 x 305 mm)	14.7 x 18.7 x 12.0 In. (374 x 475 x 305 mm)	14.7 x 18.7 x 11.0 In. (374 x 475 x 279 mm)
Access Panel Material	0.10 in. (2.5 mm) Aluminum	0.10 in. (2.5 mm) Aluminum	0.10 in. (2.5 mm) Aluminum
Cooling Fan Voltage	N/A	N/A	120VAC
Cooling Fan Turn-On Temperature	N/A	N/A	100°F (38°C) ±6°F
Cooling Fan Turn-Off Temperature	N/A	N/A	79°F (26°C) ±9°F
Weight	18.5 lbs. (8.4 kg)	19.1 lbs. (8.7 kg)	21.1 lbs. (9.5 kg)
Ratings	NEMA 4, 4X / IP66	NEMA 3R, 3RX / IP24	NEMA 3R, 3RX / IP24
Flame Rating	UL94-5V	UL94-5V	UL94-5V
Industry Certifications	CE	CE	CE

Equipment Rack Specifications

Rack Type	Slanted 2U Rack	Vertical 4U Rack	Horizontal 6U Rack
Finish	Black Powder Coated	Black Powder Coated	Black Powder Coated
Rack Frame Size	19" Inch Wide	19" Inch Wide	19" Inch Wide
Equipment Spaces	(2) Slanted 1U Sections (1) Horizontal 2U Section	4U	6U
Rack Weight	6.0 lbs. (2.7 kg)	4.4 lbs. (2.0 kg)	11.7 lbs. (5.3 kg)
Industry Standards	EIA-310	EIA-310	EIA-310

Accessories

Model		Description
NMHS-500-16		Heavy Duty Galvanized Steel Pole Mount Kit
NMFS-500		Heavy Duty Galvanized Steel Flange Wall Mount Kit