NF162009VFDx

16x20x9 Fiberglass Weatherproof Vented NEMA Enclosure
with Dual DC Powered Cooling Fans



Features

- Dual Thermostat Controlled Cooling Fans with 4" Vents, Rain Shields and Screens
- 12VDC, 24VDC or 48VDC Power Terminal Block
- Aluminum Equipment Mounting Plate
- Extra Deep Extended Lid for Increased Equipment Clearance
- Stainless Steel Hinges with High Quality 316 Steel Hinge Pins
- Stainless Steel Quick Release Latches with Padlock Hasps
- Fiberglass Reinforced Polyester, FRP
- Weatherproof, UV Stable and Highly Corrosion Resistant
- NEMA Type 3R, 3RX / IP24
- Includes Cable Glands and Stainless-Steel Mounting Feet
- RF Transparent Enclosure
- Pole Mounting Kit Available

Altelix LLC USA: 866-660-9434 +1 561-660-9434 sales@altelix.com www.altelix.com
Copyright (C) 2026 Altelix LLC. All rights reserved. Altelix and the Altelix logo are Trademarks and/or Registered Trademarks of Altelix LLC.
Specifications are subject to change without notice. See www.altelix.com for most current information.

NF162009VFD1

Description

The **Altelix 16x20x9 DC Powered Fiberglass Weatherproof Vented NEMA Enclosure** features dual thermostat-controlled cooling fans to help maintain lower internal temperatures. It is available in 12VDC, 24VDC and 48VDC configurations. The enclosure can be powered by compatible DC solar or battery power sources and features a terminal block for easy wiring.

Thermostat-Controlled Cooling
Dual cooling fans circulate air through two 4-inch vents to help reduce internal temperatures. The fans turn on at 100°F (38°C) and turn off at 79°F (26°C). The exterior rain shields and screens help prevent rainwater and debris from entering the enclosure while allowing ventilation for installed equipment.

Extreme Protection Built to Last
This rugged JIC-style NEMA box is 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 drilled and modified by the installer to meet specific installation requirements. Improved stainless steel hinges with high-quality 316 stainless steel hinge pins provide lasting durability, even in harsh coastal conditions. The flat gasketed lid is secured with stainless steel quick-release latches with padlock hasps.

DC Power Terminal Block
The integrated DC power terminal block provides a convenient connection point for the cooling fans and equipment installed inside the enclosure.

Mounting
Stainless steel brackets are included for secure wall mounting. Optional flange and pole mounting kits are available.

Specifications

Material	Fiberglass Reinforced Polyester
Color	Gray
Voltage	12VDC, 24VDC or 48VDC
Cooling Fan Turn-On Temperature	100°F (38°C)
Cooling Fan Turn-Off Temperature	79°F (26°C)
Outer Dimensions	17.89 x 21.79 x 10.44 Inches (454 x 553 x 265 mm)
Inner Dimensions	15.38 x 19.38 x 8.5 Inches (391 x 492 x 216 mm)
Mounting Plate Material	0.08 in (2.0 mm) Aluminum
Mounting Plate Dimensions	18.7 x 14.8 in. (475 x 378 mm)
Weight	20.6 lbs. (9.3 kg)
Ratings	NEMA Type 3R, 3RX / IP24
Flame Rating	UL94-5V

Altelix LLC USA: 866-660-9434 +1 561-660-9434 sales@altelix.com www.altelix.com
Copyright (C) 2026 Altelix LLC. All rights reserved. Altelix and the Altelix logo are Trademarks and/or Registered Trademarks of Altelix LLC.
Specifications are subject to change without notice. See www.altelix.com for most current information.