

GEIS

NexPower Series Enclosure System

GEIS Electrical Protection

Safer Smarter Greener



About GEIS

GEIS was established in 2019 following the spin-off of several businesses and assets that ABB had acquired from GE on July 1, 2018, including 3 manufacturing centers, Warehousing & Trading business at FTZ, and China Technology Center.

- Components: Full range of circuit breakers up to 40.5kV: Medium voltage vacuum circuit breakers, and contactors, LV circuit breakers: ACB, MCCB, MCB, RCD and Control components.
- Equipment: MV switchgear (Air insulation and Gas Insulation Technology), LV switchgear, industrial enclosures and LV switchboard.
- Medium voltage distribution transformers.
- Medium voltage ATS system (Paralleling Switchgear).

After the separation, all the above product lines were rebranded as AEG for selected markets and GEIS for global markets. Moreover, GEIS has expanded its technological portfolio to include medium-voltage controls such as VFDs and soft starters, as well as ATS systems and EV chargers.



Quality is Built-in

Where Technology Meets Manufacturing Excellence for Customers

- Since 2000, we have been specializing in localizing world-class products and manufacturing technologies, developing strong expertise and a highly capable team.
- Vertical integrated Shanghai Manufacturing Center brought key manufacturing processes into a 75,000 m² facility, enabling high-quality, high-efficiency production and fostering innovation. A dedicated R&D team committed to developing products that meet global standards and serve diverse applications.
- Global expansion: GEIS's first Thailand facility makes it easier to serve customers worldwide.



GEIS deliver complete range of products for the evolving electrification needs:



SecoVac VCB



M-PACT Plus ACB



Elfa Series MCB/RCBO



SolidDrive MV VFD



SecoGear MV Switchgear



USx Gas Insulated Switchgear



WaveCast Transformer



MLS LV Switchgear



NexPower Series enclosure system

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Introduction

The intelligent modular system comprising enclosure and climate control components offers a multitude of choices for configuring your individual outdoor solution. Now, the bayable Toptec creates even more flexibility. Its double-walled enclosures are effortlessly connected and therefore scalable according to your requirements. Benefit from uniform design of GEIS solutions with built-in compatibility, and the convenience of a single supplier for all your product needs – for every indoor/ outdoor application, and for every climate type.

The name GEIS is synonymous with ultimate quality, durability and reliability in enclosure manufacturing. Its reputation extends to the outdoor segment. Maximum protection for your electrical and electronic components, however hostile the environment, is our prime objective. Whether that means extreme temperatures, exposure to UV radiation, aggressive atmospheres, high wind loads, dust or humidity: GEIS enclosures stand up to even the harshest conditions.



GEIS standard outdoor solutions –

6 essential reasons to keep your equipment safe and secure in all environments

- Instant availability as a modular system – no loss of time
- Security with a long service life – long-term investment
- Wide temperature range – safe protection in all climate conditions
- Sustainability – protects the environment and reduces your carbon footprint
- Convenient installation and servicing – fast commissioning, minimal downtime
- Global service network

Certification

NexPower series Enclosure System

EN 62208-2023

IEC 62208:2023 Empty enclosure for low-voltage switchgear and control assemblies

IP Protection Test: IP56

UL 508A, 3rd Ed. Industrial Control Panels

CSA C22.2 No. 14, Edition 13, Industrial Control Panels Certified for Canada

Introduction

Standard Dimensions

Full size series covers all mainstream industrial & power automation cabinet dimensions, compatible with global standard mounting accessories.

For more size specifications, please contact GEIS.

Catalog Number	Height	Width	Depth
NX1606040	1600 mm	600 mm	400 mm
NX1606060	1600 mm	600 mm	600 mm
NX1608050	1600 mm	800 mm	500 mm
NX1608060	1600 mm	800 mm	600 mm
NX1609070	1600 mm	900 mm	700 mm
NX16012050	1600 mm	1200 mm	500 mm
NX1806040	1800 mm	600 mm	400 mm
NX1806050	1800 mm	600 mm	500 mm
NX1807050	1800 mm	700 mm	500 mm
NX1808040	1800 mm	800 mm	400 mm
NX18010040	1800 mm	1000 mm	400 mm
NX18012060	1800 mm	1200 mm	600 mm
NX2006050	2000 mm	600 mm	500 mm
NX2006060	2000 mm	600 mm	600 mm
NX2008040	2000 mm	800 mm	400 mm
NX20010050	2000 mm	1000 mm	500 mm
NX20012080	2000 mm	1200 mm	800 mm
NX2107050	2100 mm	700 mm	500 mm
NX2108060	2100 mm	800 mm	600 mm
NX2206060	2200 mm	600 mm	600 mm
NX2208080	2200 mm	800 mm	800 mm
NX22010060	2200 mm	1000 mm	600 mm
NX22010080	2200 mm	1000 mm	800 mm
NX22012060	2200 mm	1200 mm	600 mm
NX22012080	2200 mm	1200 mm	800 mm

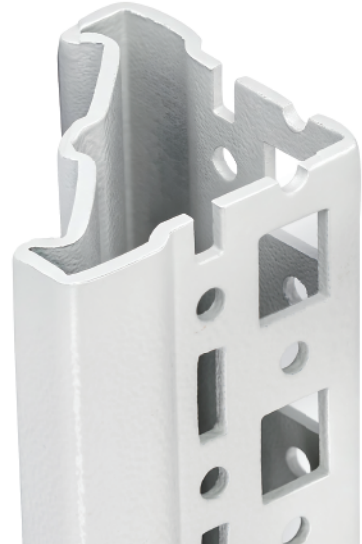
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Key Features & Benefits

Key Features & Benefits

NexPower modular chassis

- The new 15-section profile frame structure has received patents from multiple countries.
- The 2.0mm cold-rolled steel plate is continuously bent and formed with a continuous flange surface design, which enables quick drainage and better waterproof performance.
- The modular design allows for quick single-person assembly.
- The components are easy to install and safe and quick.
- There are continuous installation holes with a 25mm spacing on both sides of the inner side.
- The six-sided symmetrical structure enables unlimited expansion capabilities and supports flat packaging, saving storage and logistics space.
- The IP66 high protection level complies with the IEC60529 standard. The high load-bearing structure has passed the CE certification and meets the IEC62208 standard.



Flexible outdoor solutions from a single source

Ready to use in any environment, thanks to the smart combination of enclosure and climate control, individually scalable and bayable with a range of enclosures

Protection from vandalism and security threats

Whether in public spaces, at the roadside or in fenced solar farms, even the standard GEIS range includes a wide range of protection options, including double locks and enhanced status monitoring.

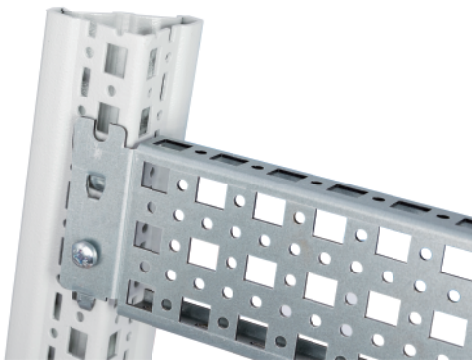
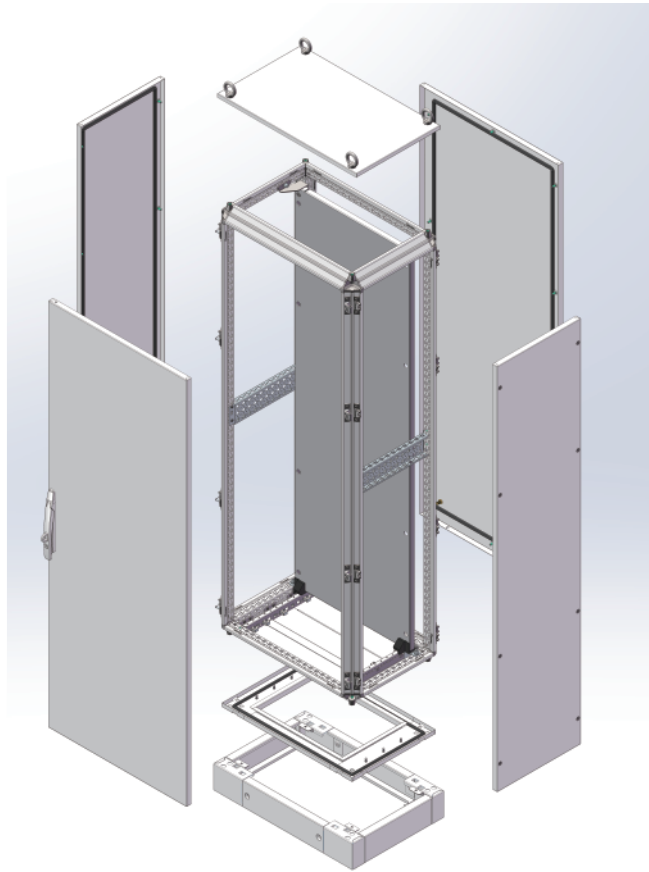
Perfect climate control

GEIS carries out ongoing and extensive testing in our quality laboratory and can propose solutions that significantly increase the service life of your equipment and appreciably minimize energy costs. The energy-efficient Blue e+ cooling unit is particularly recommended for situations with high heat losses.



Key Features & Benefits

Built for Performance, Designed for Tough Environments



Technical Specifications

Main framework

Using 15-section profiles (Patented), 2.0mm cold-rolled steel plates are continuously bent to form the structure.

1. High load-bearing structure:

Assembly type, with an ultimate load-bearing capacity of 2 tons (in the specification of (2200 + 100) X 1200 X 800), Fixed type, welded type, with a higher theoretical strength for ultimate load-bearing capacity, suitable for heavy-duty power automation equipment.

2. Quick-assembled rack:

- 01. Can be quickly assembled with only 8 M12 screws.
- 02. Hexagonal symmetrical structure.
- 03. Excellent waterproof performance.

3. Quick cabinet assembly system:

- 01. Multi-directional well connection, enabling unlimited expansion capabilities.
- 02. Wedge-shaped structure with three-way rapid positioning function.
- 03. Simple operation, time-saving and labor-saving.

IP Protection Grade

IP54, IP56/IK10 (single door), IPX6

Certification for NEMA Type12/4/4X

Combination, Attachment Type, Others

Single cabinet, multiple combined cabinets, free combination

Optional installation frame: Swing door or fixed 19-inch industrial angle bracket

Door lock: Fixed with 4-point locking device, with high sealing performance, effectively preventing external damage.

Hinges: Available in 130° and 180° opening angles

Profiles: 25mm / modular holes, can increase internal expansion capacity

Applications

Applications

Outdoor applications are subject to a wide range of requirements:

- Wide temperature fluctuations call for different active and passive climate control solutions
- Humidity, UV radiation and salt necessitate a high degree of corrosion and surface protection
- Noise emissions must be minimized effectively for installations located in urban environments

An Outdoor Telecom Kiosk Project for Desert Areas

This project is composed of the GEIS NexPower cabinet system. It is a four-unit cabinet with a rain-proof top structure (including an insulation layer) and is an outdoor cabinet. The main frame body is made of assembled 15-fold profiles. The protection level is IP56. The overall external material is 304 stainless steel coated with outdoor-grade electrostatic powder coating (RAL9003), the internal frame material is SPCC, and the installation plates are galvanized steel plates.

The cabinet's internal temperature rise, according to the project requirements: under the conditions of ambient temperature of 45 degrees, humidity of 90%, and irradiation intensity of 1100w/m², the maximum allowable temperature rise is 15K (that is, the maximum temperature does not exceed 60 degrees).



GEIS

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This catalog may be subjected to revision without prior notice.
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