

Outdoor Modular Cabinet for Battery Storage

CERTIFIED OUTDOOR CABINET FOR BATTERY STORAGE APPLICATIONS

The modular outdoor cabinet is a flexible, secure solution that ensures smooth and reliable operation of sensitive electronics in outdoor areas. It has been tested and certified for a wide range of applications, from battery storage to use in wayside rail applications.

- **IEC 619693** and **EN 50125-3:**
protection against environmental influences
- **EN 50125-3:**
protection against shock and vibration
(1-3 m distance from the track)
- **EN 60529:**
ingress protection (IP55)
- **IEC 615872** and **IEC 61969:**
Bellcore Zone 4 earthquake resistance
- **EN 50125-3:**
wind resistance up to 180 km/h
- **EN 1627** and **EN 1630**
for protection against vandalism
- **IEC 61969-2**
for coordination dimensions for the construction of stationary outdoor enclosures
- **IEC 60068-2 75, IEC 62262** and **IK 10**
for impact resistance



ADVANTAGES AND FEATURES

Environmental Protection

- Protects against pressure changes, temperature, humidity, wind, rain, snow, hail, ice, solar radiation, radiation, lightning, and fire protection
- EMC shielding
- Security and vandalism protection
- Structural stability thanks to aluminum frame and double-walled design
- Handles and screws are only accessible from the inside and are therefore protected against vandalism

Scalability and Flexibility

- Standard dimensions available: widths of 700- 2000 mm, heights 1000-2100 mm, depth 500-1200 mm, in 50 mm increments, other dimensions can be available upon request
- Design can be modified to allow access to cabinet on all sides
- Extensive range of accessories, compatible with 19" cabinet accessories

Optimum Thermal Performance

- Passive cooling (thermal performance via double-walled design): Heat transfer value in the environment according to IEN 61969 3 cl. 1, without solar radiation: 20-24 W/K

- Active cooling: (thermal output through kit with two 24V fans and thermostat): 160 W/K, air flow rate 540 m³/h
- Optional: active cooling with fans by PWM control and thermostat or by air-conditioning cooling units for optimum cooling capacity

Integration Services

- nVent SCHROFF can also integrate components such as batteries, rectifiers, AC control panels etc.
- Technical expertise to support tests and simulations to ensure that the cabinet meets the application requirements

ADVANTAGES AND FEATURES



Outer roof, side walls and panels can only be removed when the doors have been removed



Reliable thermal performance thanks to double-walled construction and active airflow through fans



Protection class IP55 enabled by foam-in seals and snap-on seals on the doors

PROJECT INFORMATION ADS-TEC

| Order Information | Article Number |
|--|---|
| Outdoor modular cabinet for battery storage with vandalism protection level RC2 | Ads-tec: DZ-MEC-46555-0 nVent SCHROFF: 14992-880 |
| Includes: Aluminum frame, base, and base plate with cut-outs, protected connection plate for cable entry and closure plate for connection plate, double side walls right, left and rear. ventilation built into outer roof, two individual front doors, right with ventilation and M5 panel filter | |

| Installation Information | | | |
|--------------------------|--|--------|------------------------|
| Height | Width | Depth | Weight |
| 45 HE | 2 x 19" | 815 mm | 540 kg (empty cabinet) |
| 2490 mm | 1413 mm | 930 mm | |
| Material | Aluminum and steel with zinc magnesium coating | | |

| Installation Information | | | |
|--------------------------|--------------|----------------|--------------------------------------|
| Compartment | Usable Space | Installation | Climate Control |
| Left | 19" 45 HE | Battery | Active cooling with air conditioning |
| Right | 19" 16 HE | Control system | Active ventilation with fan |



Further Information on the body and accessories on request

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All locations
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Germany
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Unser starkes Markenportfolio:

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