Outdoor Modular Cabinet for Battery Storage



CONNECT AND PROTECT

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 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 airconditioning 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



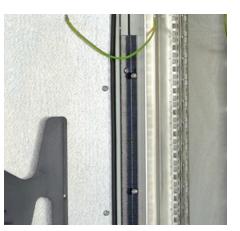
ADVANTAGES AND FEATURES



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 Outdoor modular cabinet for battery storage with vandalism protection level RC2

Ads-tec: DZ-MECH-46555-0 SCHROFF: 14992-880

Item Number

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 × 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

NORTH AMERICA

All locations Tel +1.800.525.4682

EUROPE

Germany Tel +49.7082.794.0

France Tel +33.388.90.64.90 Sweden, Norway, Finland

Tel +46.8.683.61.00

UK, Ireland Tel +44.144.2218.768 Poland Tel +48.22.209.98.35 Italy Tel +39.02.932.714.1

ASIA/PACIFIC

VR China Tel +86.21.2412.6943 Singapore Tel +65.6768.5800 Japan

Tel +81.45.476.0271

MIDDLE EAST & INDIA

United Arab Emirates Tel +971.4.823.8666 India

Tel +91.80.6715.8900 **Turkey** Tel +90.541.3680941



Our powerful portfolio of brands: CADDY ERICO HOF

HOFFMAN

ILSCO

RAYCHEM SCHROFF

©2024 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 noti SCHROFF-DS-N01472-OutDoorModularCabinet-EN-2406