



Drhino

Non-Conductive Enclosures

Technical Overview

About Drhino

Drhino is a UK-based manufacturer of non-conductive enclosures, developed for infrastructure, industrial and energy storage applications where safety, durability and environmental performance are critical.

Our enclosures are designed using high-pressure laminate (HPL) as a core material choice, informed by practical engineering principles and real-world operating conditions.

We focus on applications where traditional metal cabinets can introduce challenges related to corrosion, condensation, electrical conductivity and thermal instability, affecting both internal cabinet conditions and the surrounding operating environment.

Drhino works with partners, installers and end users to develop enclosure solutions suited to modern infrastructure and industrial environments.



Drhino Non-Conductive Enclosure System

Key Technical Benefits

Non-Conductive Enclosure Body

Non-conductive construction reduces electrical risk of the enclosure itself becoming live and no requirement for earth matting.

Corrosion-Free Material

HPL construction does not rust or corrode, supporting long-term use in humid, coastal and industrial environments.

Stable Internal Conditions

Reduced thermal conductivity compared to metal enclosures helps limit heat transfer and condensation formation.

Impact & Surface Durability

Dense laminate construction offers high resistance to impact, scratching and surface wear in demanding locations.

Low Maintenance Over Service Life

No requirement for repainting, galvanising or corrosion treatment.

Weather and UV Resistance

Material performance is maintained under exposure to sun, rain, dust and temperature variations.

On-site Assembly

Flatpack delivery options making on-site assembly possible for difficult locations.



Testing, Validation & Real-World Trials

Drhino enclosures are validated through controlled testing and real-world deployment, assessing performance under environmental, operational and installation conditions relevant to infrastructure and energy storage applications.

Environmental Exposure

Assessed under prolonged exposure to moisture, temperature variation, UV radiation and airborne contaminants.

Ingress, Dust & Water Resistance Testing

Evaluated through controlled water and dust testing alongside outdoor installations exposed to rainfall and debris.

Thermal Behaviour & Internal Conditions

Internal enclosure behaviour assessed under varying ambient temperatures to understand heat transfer, ventilation effectiveness and condensation risk.

Structural Robustness & Handling

Panels, fixings and assemblies assessed for strength, impact resistance and durability during transport, installation and operational use.



Current Applications & Future Deployment

Drhino's non-conductive modular enclosure system is designed to protect electrical and electronic equipment across a wide range of current and emerging infrastructure applications. Its material performance and deployment flexibility support safe, scalable and reliable operation in diverse and demanding environments.



Rail & Transport Infrastructure

Protective enclosures for trackside and station electrical equipment



EV Charging & Energy Systems

Protective enclosures for EV charging equipment and associated electrical systems



Agriculture & Rural Diversification

On-farm electrical enclosures for solar, battery storage and rural power distribution.



Battery Energy Storage Infrastructure

Battery storage enclosures supporting domestic systems through to large-scale BESS projects.



Data, Monitoring & Control Networks

Enclosures for sensors, control panels and data acquisition equipment



Telecoms & Communications

Protective enclosures for network and roadside equipment

Drhino works with partners through structured development and validation programmes to deliver enclosure solutions aligned to clearly defined technical and operational requirements, from initial concept through to deployment.