



## Cabins

Corbin can provide a range of shelter solutions for any industry, current offerings include shelters for centralised inverters as well as enclosures for high voltage switch gear adopted by a DNO. The cabins are designed to keep internal equipment dry, cool or heated as required by the manufacturer of the internal equipment.

We can provide a full plug and play solutions as well as a shelter for the customers own integration works. A full turnkey package is also available including delivery and foundation solutions.



Shelter	Description
Maximum External Dimension Of Shelter (mm)	9000(L) X 3000(W) X 32000(H) other sizes may be available
Shelter Roof Pitch	2°
Max. Permissible Load Of Shelter	5 Tonnes greater loads may be available
Unladen Weight Of Shelter	3.5 Tonnes
Shelter Base Material	Hot Rolled Parallel Formed Channel S350 To BS 10025
Shelter Wall & Ceiling Materials	Insulated Wall & Roof Panels, Substrate Z275 Hot-Dip Zinc Coated Steel To BS EN101147:1992. Internal Core Polyisocyanurate (PIR).
Shelter Roof & Wall Loading (kN/M <sup>2</sup> )	Roof – 5.7kN/mm <sup>2</sup> Walls – 2.71kN/mm <sup>2</sup>
Shelter Thermal Resistance	Roof – 0.35W/m <sup>2</sup> K Walls – 0.52 W/m <sup>2</sup> K Floor – 0.40W/mK
Fire Rating Of Shelter & Base Regulations	Class 1 Surface Spread Of Flame To BS476-7: 1987, And Are Class 0, As Defined In Building Regulations
External Cladding UV Protection	2000 Hour (QUV) Complying To European RUV4 Classification
External Mechanical Impact	18J
Resistance To Corrosion	Zinc Alloy Coating 265 h/M <sup>2</sup> (ZA265)
Shelter Guarantee Excluding Internal Electrical Equipment	25 - 40 Years
IP Rating	IPX5 To BS EN60529:1992
Resistance To Dust Particles	The Shelter Has Been Designed To Prevent Dust Entering The Shelter (Excluding The Ventilation Openings)
Optional Extras	Full Auxiliary Electrical Fit Out, including lighting, heating and cooling. LV & HV Switchgear Disposable RAMBOARD Sheeting Secured To Floor Open Bar Grating Step Fire Extinguishers & Mount Health & Safety Equipment

Testing & Certification	Description
Quality	ISO 9001:2008
CE Marking	BS EN 1090-1, Execution Class 1
Manuals	Full Operation And Maintenance Manual Included
Structural Calculations	All Structural Calculation Undertake To Eurocodes 1&3
Water Test	BS EN60529:1992
Commissioning	"Dead System" Completion Certificate Compliance With BS7671



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