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RUGGEDISED 19" OUTDOOR EMI-EMC ENCLOSURE



General

Our Ruggedised 19" Outdoor EMI-EMC Enclosure has been designed using the latest software, with both structural and thermal design verification carried out using design simulation software. The Enclosures are manufactured in a state-of-the-art facility and powder-coated on a conveyerised and automated paint line after being subjected to seven tank pre-treatment. They provide excellent field performance and reliability, as per MIL Standards. They are equipped with shelves, whose size can be varied as per specific customer requirements.

Specifications

Dimensions.

Height: 1216 (± 5) mm, **Width:** 600 (± 2) mm,

Depth: 900 (0, -5) mm.

Weight: Bare Rugged Enclosure including all sub parts: < 100 kg.

Finish

- Chromate conversion coating as per MIL DTL 5541 - Type 2 - Class 3 before painting.
- External finish with polyurethane paint.
- Camouflage pattern/colours of choice.

Material

- Rugged Enclosure Frame Assembly made of Aluminium HE 30 Grade/AL. Alloy 5052.
- All fasteners made of stainless steel grade A2-70.



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EMI-EMC Features.

- Conforms to JSS 55555 standards.
- Doors and Side Panels are designed to provide required EMI/EMC protection to meet MIL-STD-461 E/F.
- Features Honeycomb Mesh, Air inlet and Outlet, and Openable Filters.
- Configured to provide 60dB isolation.

Thermal Management.

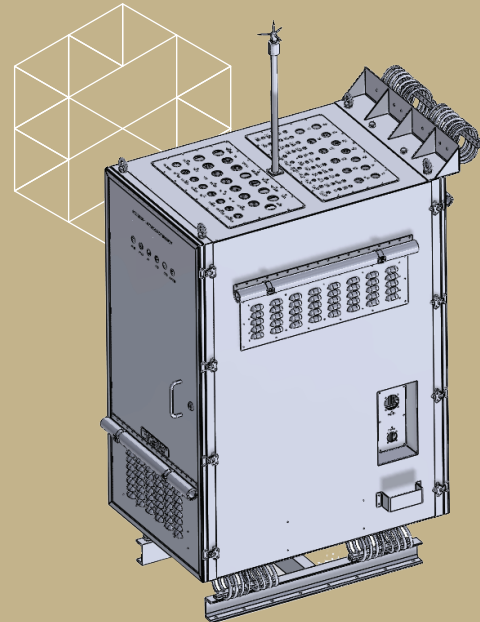
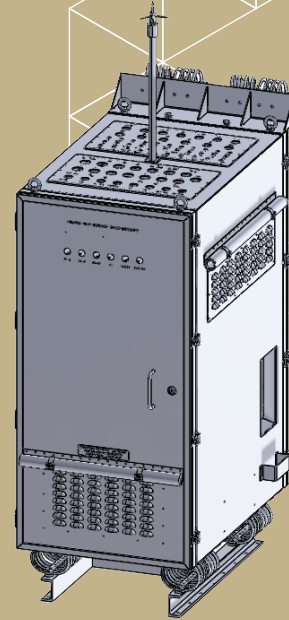
- Equipped with fan tray control unit to meet thermal requirements.
- Heat dissipation capability: 700 W, which can be customised as per requirement.

Lifting and Mounting.

- Lifting with 4 x M10 as per DIN 580, capable of lifting Enclosures of up to 300 kg.
- Metal base, frame mounted Rugged Enclosure with wire rope isolators/shock mount, featuring vertical wire rope isolators/shock mount support arrangement.

Other Features.

- IP 55 complied Enclosure.
- Legible laser engravings as per requirement.
- Provision for mounting LEDs as per requirement.
- Doors equipped with spring-loaded, stainless steel rotary draw latches with a locking mechanism on both doors, suitable for rugged applications.
- Design can be customised to meet every customer's requirement.



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