



The MB-Series uses a modular base design which enables efficient cabinet reconfigurations. Common scalable components can be quickly adapted to a variety of cabinet sizes and feature sets. In certain applications, the bolt-together construction may enable multi-staged installation, where access is limited due to small passage ways and other obstructions.

Optima's MB-Series cabinets feature a weld-free design for harsh applications where this is required. The cabinet features heavy-duty vertical & horizontal aluminum extrusions with grooves to accommodate EMI gaskets and steel corner-key inserts. They are designed to meet MIL-standard, and can be fitted with hard-mount or shock-isolated hardware.

Each application requires engineering review for environmental specifications and equipment loads. Integrated into the design are options for: doors, side panels, top and bottom, cooling, I/O cabling, floor mounting or casters.

Each cabinet is built to the customer's requirements and specifications.

Features:

- Based on a proven rugged aluminum extruded frame
- Heavy-duty vertical & horizontal extrusions
- Extrusions feature grooves to accommodate EMI gaskets
- Strong, steel corner-key inserts which utilize hydraulically crimped/mechanically fastened corner construction technique
- Weld-free construction
- MIL-grade hardware
- Military grade powder paint (MIL-PRF-24317)

Benefits:

- Fully modular
- Designed with features to meet MIL-STD-901D, MIL-STD-461
- Fully customizable with the ability to additionally ruggedize for hard mount or shock isolated requirements
- Advanced EMI gaskets; corrosion-free, full environmental protection with high level EMI
- Full alodine plating standard for EMI applications
- Structural Finite Element Analysis and Gasket compression analysis available as well as EMI test data

Applications and Related Products

Optima's MB-Series Cabinet system can be used in a wide range of rugged environments:

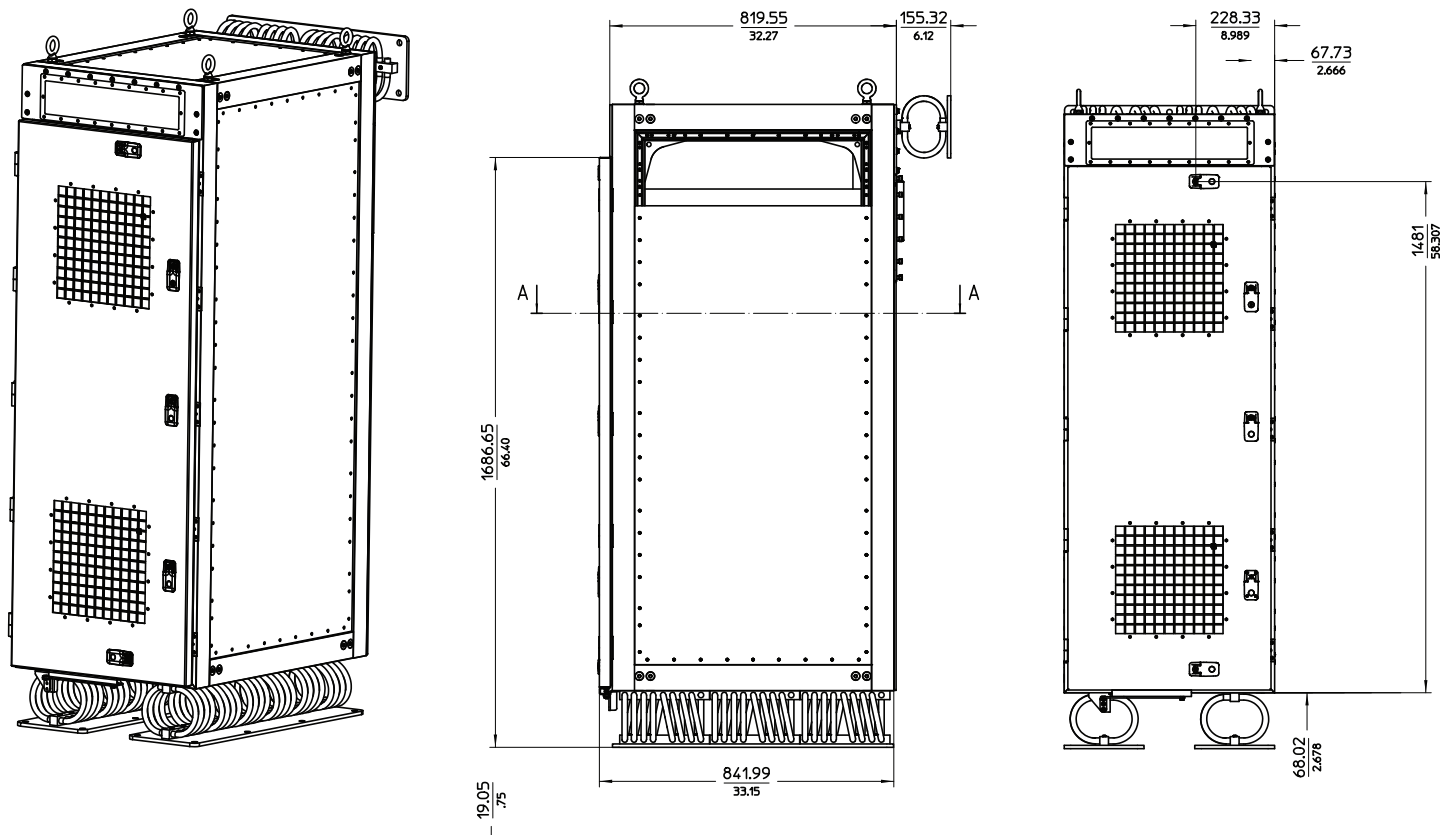
- Shipboard communications
- Rugged mobile air/ground/water equipment installations
- Rugged mobile test/measurement equipment



MB-Series Rugged Weld-Free Cabinet



Block Diagram



Dimension shown are for example only

Ordering Information

Please contact our sales department at 770.496.4000 or via email at sales@optimastantron.com for specific model configurations.

Standards Conformance

Optima's "MB" Series cabinet is compliant with the following specifications:

- MIL-STD-901D
- MIL-STD-461
- MIL-STD-810F
- MIL-STD-167
- MIL-STD-188