

# Varistar CP Seismic Enclosures

CONNECT AND PROTECT

## FOR SENSITIVE ELECTRONICS IN RUGGED ENVIRONMENTS

### nVent SCHROFF VARISTAR CP SEISMIC ENCLOSURES

Cabinet designed to protect electronics, network, fiber interconnect and telephone equipment in rugged environments such as seismic zones.



Static load of  
500 kg/1100 lbs



Tested to Telcordia  
GR63 Zone 4



Welded brackets



(EMI/EMC)  
tested to 18 GHz



Fire Safe gaskets  
and powder coating



Water and dust  
ingress up to IP55

### ADVANTAGES AND FEATURES

- **Sturdy Construction:** tested per Telcordia standards up to 500kg/1100lbs load
- **Shock protection:** Tested to Telcordia GR-63-CORE Zone 4 and Network Equipment Building System (NEBS) Certified
- **Seismic Protection:** Reinforcement brackets welded to the standard Varistar CP frame enable scalable and cost optimized seismic protection
- **Electromagnetic Interference:** (EMI/EMC) tested to 18GHz, per EN 61000-5-7 and IEC 61587-3
- **All Around Protection:** Water and dust ingress up to IP55 per IEC 60529 & Fire Safe gaskets and powder coating, certified to EN45545

### ORDER INFORMATION

CABINET	DESCRIPTION	MODEL NUMBER	
Varistar CP Seismic Heavy Load	Varistar CP Seismic Heavy Load Cabinet, Bellcore Zone 4, EMC, 2100H 600W 600D	10630-048	Tested to Telcordia GR-63-CORE Zone 4 (2017) with <b>500 Kg</b> dummy weight on the 19" slide mount
Varistar CP Seismic	Varistar CP Seismic Cabinet, Bellcore Zone 4, EMC, 2100H 600W 600D	10630-050	Tested to Telcordia GR-63-CORE Zone 4 (2017) with <b>250 Kg</b> dummy weight on the 19" slide mount

Design your customized robust steel-framed electronic / server cabinet with integrated electromechanical accessories using our

[ONLINE 3D CONFIGURATOR.](#)



# VARISTAR CP – MORE VARISTAR THAN EVER

More robust, more versatile, more secure, more industry compliant

Reinforcements built of 4 mm thick DD11 steel to ensure competitive cost and rugged performance with 250 kg loading in seismic regions. Vertical reinforcement brackets join in the middle of the frame height, with small stiffening angles at top and bottom



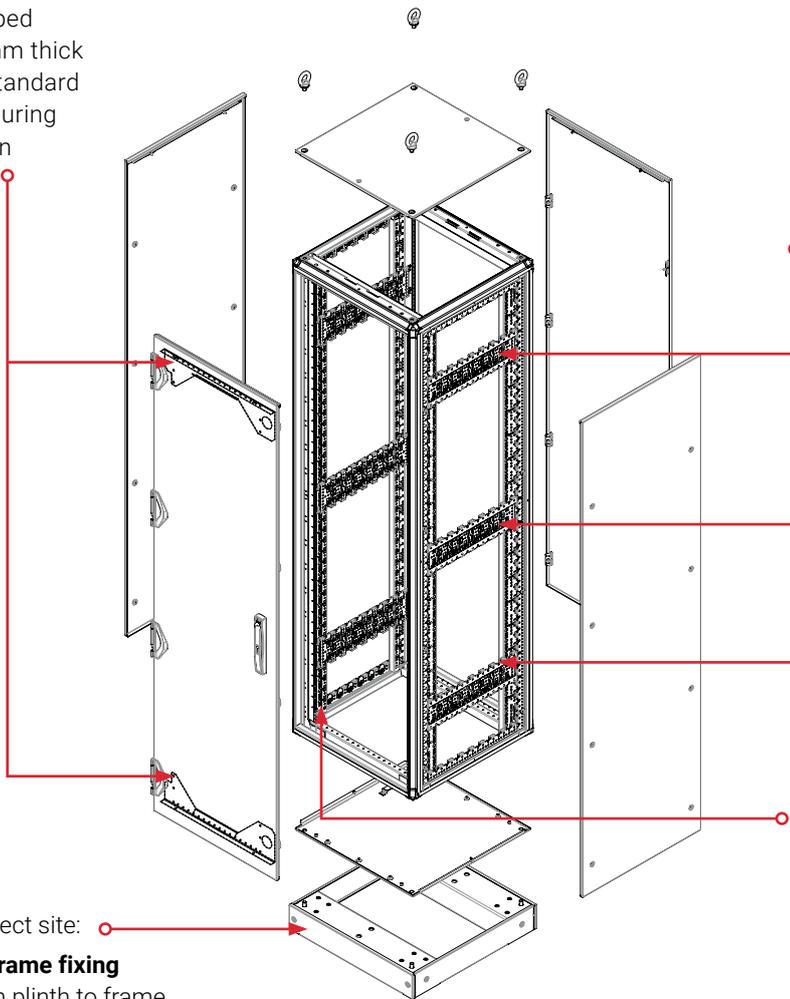
Dynamic load  
250kg

Dynamic load  
500kg

Reinforcements built of 10 mm thick S700MC fine grain structural steel, with extremely high yield strength to ensure 500 kg loading in earthquake prone environments.

L-shaped vertical reinforcements in the front and rear cover the height and width and join in the middle. Horizontal reinforcements on top provide extra rigidity to the frame

Seismic doors equipped with reinforced 2.5 mm thick brackets, replacing standard door bar profiles, ensuring high rigidity to sustain earthquake tremors



Varistar SEISMIC cabinets are mounted with seismic 2 mm thick steel depth members to provide additional sturdiness to the frame while also allowing cable management and other fixation points in the cabinet

Easy mounting at project site:

## 1. Flexible plinth-to-frame fixing

- a. M12 screws from plinth to frame
- b. M10 screws & nut from frame to plinth

## 2. High accessibility plinth-to-floor fixing

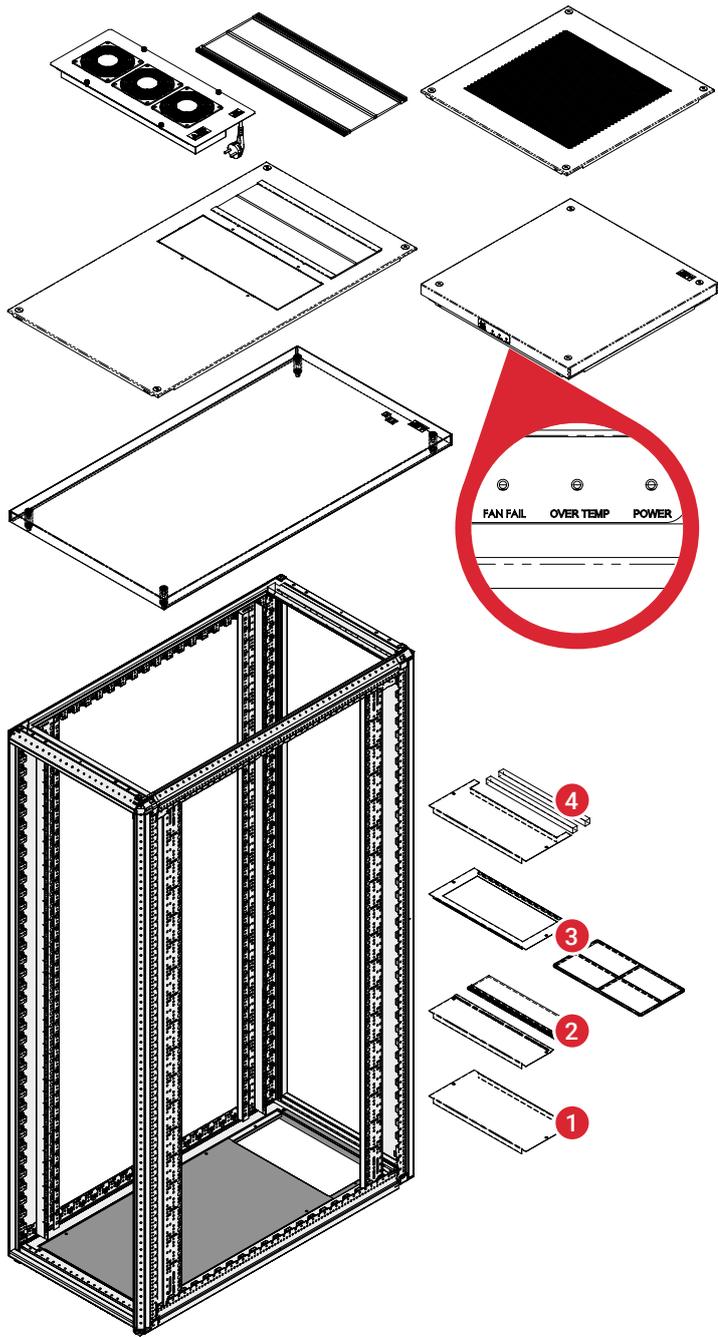
- a. Can be done from inside or outside
- b. Error free installation using oblong holes in the bottom

Varistar CP Seismic frame has multiple fixing points designed in the roll formed structure, allowing components and cable management accessories to be directly fixed on it.

# WIDE ARRAY OF STANDARD TOP COVERS AND BASE PLATES

IP20, IP55, and EMC top covers and base plates are pre-designed for all dimensions

Seismic cabinets can be easily designed using the **pre-designed standard parts** to achieve the **quickest delivery times**.



### Broad array of configurable top covers

IP20, IP5 and EMC top covers are pre-designed for all dimensions

The top covers with cut outs can be populated with:

1. Perforated cover – for ventilated top cover for passive cooling
2. Brush strip – for dust free cable routing through the top cover
3. Fan Inserts – with 3 axial fans per unit regulated via a Thermostat

### Multi-piece base plate

Multi-piece base panels/base plates are placed from within the cabinet. They are used when the customer needs to open and close the base panel during mounting or operation.

Multiple closing panel options include:

1. **Cover Plate:** If no cable management is needed
2. **Brush Strip:** For dustproof cable management
3. **Dust Filter Set:** For dustproof cabinet interiors with ventilation.  
*PS: Filter replacement is ecological as you throw away only the filter mat and not the complete frame*
4. **IP55 cable entry:** For IP55 compliant cable management

### One-piece base plate

One-piece base panels/base plates are mounted from outside the cabinet. They generally come mounted from the factory. There is a wide variety of individual project specifications.

1. **IP55** - With and without cable entry
2. **EMC** - With and without cable entry, with and without perforations

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