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**40 % of
floor space
savings !**

MetalGear-WS

Space-Efficient Low Voltage Metal-Enclosed Switchgear

MetalGear-WS low voltage metal-enclosed switchgear provides the ideal solution for industries with high energy requirements but severe space restrictions, without compromising safety and reliability. Thanks to its modular wall standing design and compact dimensions, our switchgear can be flexibly adapted to situations where space is limited.

Features

- Front access to power cable compartment

Safety by design

- Engineered and completely tested according to IEEE C37.20.1
- Maximum temperature rise of 45°C at 100% current rating on power cables terminal pad
- Copper busbar with high quality tin plating for 100% current rating during all service life.
- Rod test compliant

Compatible switching devices

- ABB Emax 2
- Eaton Magnum DS
- Schneider MasterPact NT/NW
- Siemens WL
- Others on request

Standards

- IEEE C37.20.1
- CSA C22.2 no 31
- UL 1558

Options available

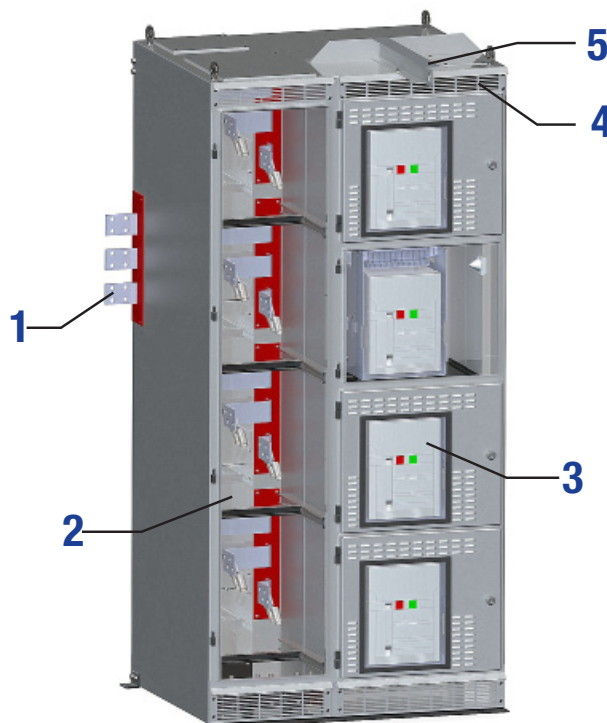
- Solid Epoxy bus insulation and halogen/chlorine free boot cover
- Copper busbar with premium silver plating (to differentiate from very thin flashing commonly miscalled silver plating)
- Minimum 11 gauge (3 mm) steel thickness
- Metal barrier between main bus and cable compartments
- Amagnetical power cable entry plate
- Power cable support
- 4 pole breakers
- Motorized or manual breaker hoist
- High-resistance grounding
- Type 12 or 3R enclosure



Each unit consists of the following compartments:

1. Main bus
2. Power cables
3. Circuit-breakers *
4. Horizontal control wireway
5. Breaker hoist docking structure (on request)

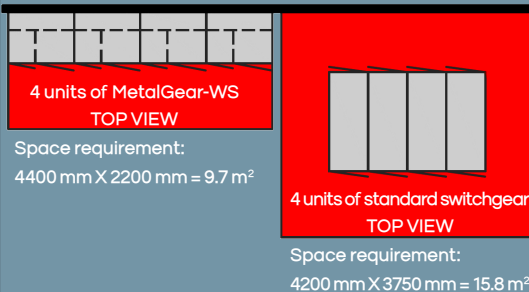
* : An instrument or control compartment can be substituted from one to four circuit



General features of MetalGear-WS switchgear:

Rated insulation voltage	V	635
Test voltage at power frequency	kV 1 min	2.2
Rated frequency	Hz	50/60
Rated short-time withstand current	kA 1 s	22 - 42 - 65
Peak current	kA 3 cy.	... 149.5
Main busbar rated current	A	800 ... 2500 3200
Rated current of the branch connections	A	800 - 1200 - 1600 - 2000 - 2500 - 3200
Degree of protection	CSA C22.2 no 94	Type 1 - 2 - 12 - 3R
Seismic qualification		0.5 g
Overall dimensions of basic cubicles	H	90.5 in. (2300 mm)
	W	48 in. (1200 mm) 55 in. (1400 mm)
	D	36.4 in. (925 mm)

Floor space requirements for your LV switchgear :



40 % of floor space savings !



Application Sectors:

- Data Center
- Infrastructure & Transportation
- Metal Industry
- Mining
- Oil & Gas
- Power Utilities