



NYLEX GROUP
ESTD 1966
INDIA

VNS



A Joint Venture of
NYLEX GROUP - INDIA & S-TEAM - SINGAPORE



SINGAPORE

Our Company

VNS Switchgear (I) Pvt. Ltd.

....an ISO 9001:2008 Certified Company is engaged in Manufacturing & Exports of High Quality LV Power & Control Panels, Main Switch Boards, Distribution Boards, Metal Enclosures with IEC Standards & ASTA Type tested, Customised Desks & all types of Cable Tray's.

*VNS
Switchgear (I) Pvt. Ltd.*

VNS is fully equipped with Latest / Advanced Computer Numerical Machines such as Double Servo Punching Machines, Servo Bending, Shearing Machine, Power Press Machines, Welding Machines & In-house Powder Coating (Conveyor System).

VNS Enclosures are fully CKD (Complete Knock Down) & has it's own profile which makes an unbeatable flexibility allowing almost any configuration & size to be designed. We aim to introducing a new advanced & latest technologies in designing & further ensuring both quality & economy.

We are gladly expanding our full array of our products, as we have perfect synergy of technical expertises to cater to wide range of clients in Europe, Australia, Bahrain, U.A.E., Jordan, Egypt, Malaysia, Singapore, Vietnam, Srilanka, Kazakhstan, etc.



About Us


VNS Switchgear (India) Pvt Ltd is Joint venture of S-Team Switchgear Private Limited, Singapore (Est. 2002) listed in SGX Singapore and Nylex Group, Mumbai, India (Est. 1966). We are manufacturers of high quality power and control switchboards such as Main Switch Boards (MSB), Distribution Boards (DB), MCC Control Panels, Extendable Enclosures / Customised Desks & Cable Trays with IEC 60439-1 standards with ASTA 7 type tested from the range of 200A to 6300A.

We are fully equipped with the latest state of the art AutoCAD software and a complete Line of CNC Turret Punching, Shearing and Press Brake machines. With constant and continuous improvement in research and work process, we are able to fulfill customer's expectations. Our products are competitively in prices, thus helping customers their own bottom line. Our Modular Switchboards can make an unbeatable flexibility, allowing almost any configuration and size to be designed.

We are also one of the leading manufacturers and exporters of *kam* Brand Products such as Control Panel/ Switch Board Accessories, Electrical Digital Meters like Power Analyzer/ Power Factor/ KWH/ Voltmeter/ Ammeter/ Frequency Meter/ Earth Leakage Relay/ CBCT, Switch & Control Gear, Terminal Blocks, Panel Locks & Hinges, Inspection Windows, Filters, Bus Bars Supports, Mounting Rails, Comb Bus Bar, Glands, Brass Neutral Bars, etc.

As we all know, the engineering & construction industry has been growing tremendously worldwide over the past years, so as the supporting industries like electrical, mechanical and information technology, which are moving forward in tandem as well. Therefore, it is important that we **SHOULD** and **MUST** have a clear standard to govern the growth especially in the main supporting electrical services (e.g. switchboard) with **SAFETY** as a major concern.

Over the years, we expanded our horizons to serve the Industry with dedication to provide our customers a comprehensive range of premium quality products. We have a Pool of Dedicated, well trained and experienced Professional design and application of electrical power engineering. They have good track records in providing an excellent pre and post sale supports to all our valued customers.



We aim to introducing to new advance and latest technologies in designing and further ensuring both quality and economy. We are confident in our acquired certification. Our switchboard systems have been type tested for compliance to IEC 60439-1 standards with the following tests successfully conducted:

Type tests include:

- Verification of temperature-rise limits (8.2.1)
- Verification of dielectric properties (8.2.2)
- Verification of short-circuit withstand strength (8.2.3)
- Verification of effectiveness of the protective circuit (8.2.4)
- Verification of clearance and creepage distances (8.2.5)
- Verification of mechanical operation (8.2.6)
- Verification of degree of protection (8.2.7)

We are globally expanding our full array of our products. As demand dictates, though tailored, but as deemed necessary to meet unique needs of our customers as we have perfect synergy of technical expertise's, to cater to wide range of clients in Europe, Australia, Bahrain, Jordan, Egypt, U.A.E., Malaysia, Singapore, Sri Lanka etc.

Our Vision:

To be a leading manufacturer and distributor of superior quality switchgears & to meet the ever changing market needs and continuously add value to our key stakeholders to establish mutually beneficial relationships

Our Beliefs:

Being in a highly competitive market, we are constantly seeking ways to reduce costs and improve our product quality and delivery schedules. To enhance our position as a market leader, our products are type tested by the Association of Short-circuit Testing Authorities (ASTA).

Our Motto:

Our top priority is to satisfy all our customer's requirement's promptly and efficiently. Our company's belief is to remain close to the customer and listen to what they **THINK** and **NEED**, More importantly to understand their business and thus enable them to achieve their business goals.

Manufacturing Facilities



Double Servo
CNC Turret Punch Press
EM-2510NT

NC Hydraulic Press Brake
RG-50 & RG-100
with Digital Control Unit



Hydraulic Shearing
Machine 3 mtr.
with Digital Control Unit

Manufacturing Facilities



- Welding Machines
- MIG Welding
 - Arc Welding
 - Spot Welding
 - Stud Welding



Pre-treatment & Powder Coating

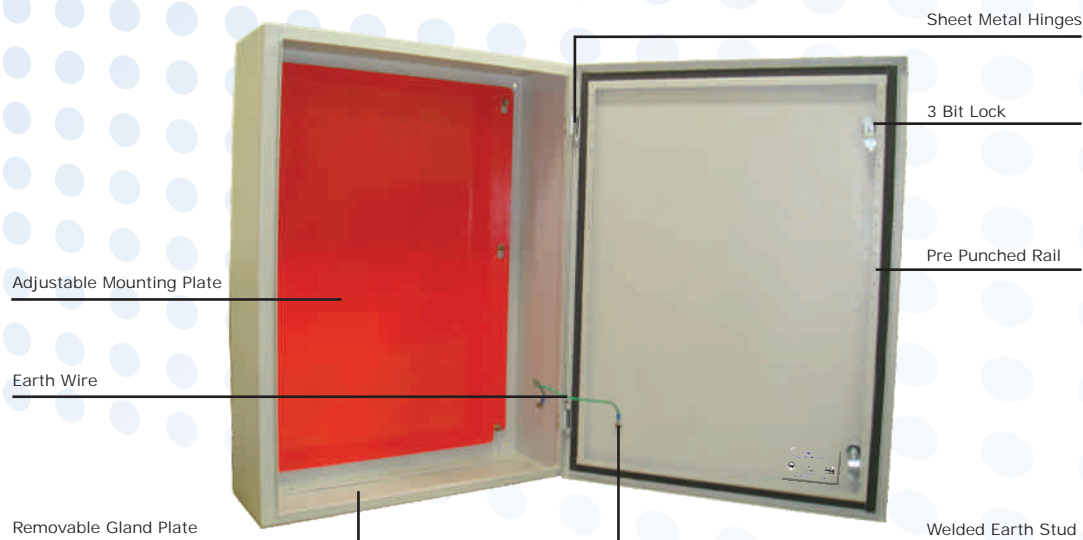


Assembling Unit



Wall Mounted Enclosures

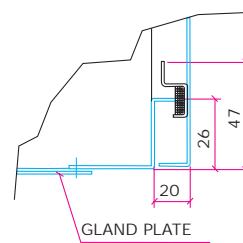
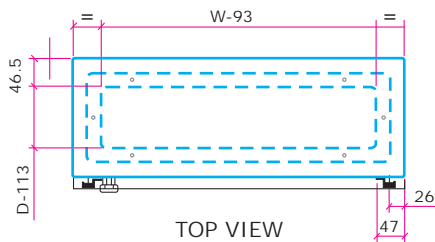
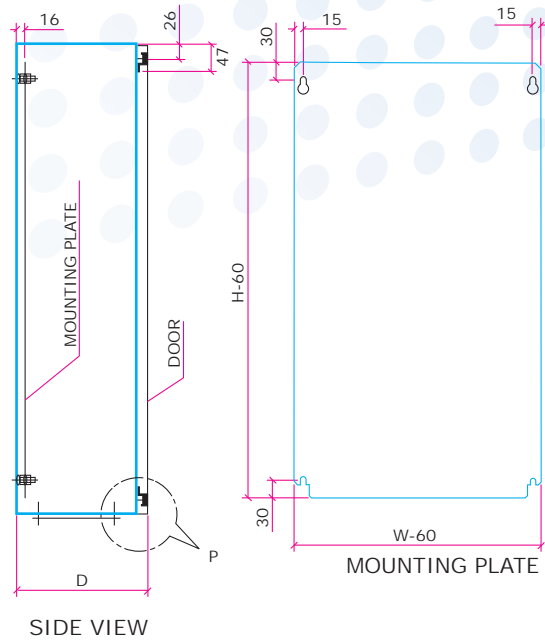
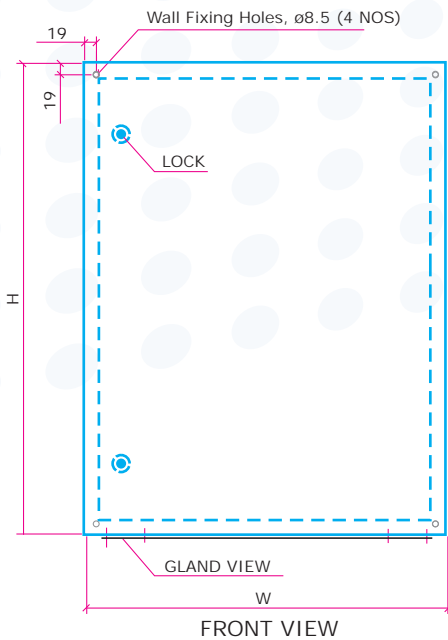
- ▶ *Wide range of sizes to cover the user needs*
- ▶ *Protection Class-IP 55*
- ▶ *Removable door*
- ▶ *Welded earth studs with earthing wire*
- ▶ *Powder coated to RAL 7032 Textured*
- ▶ *Wall or floor mounting*



- ▶ Made from High Quality CR Sheet of Various sizes from 1.2 mm to 2.5 mm & are Electro-Statically powder coated to RAL 7032 Textured.
- ▶ Mounting Plate made of CR with powder Coating or Galvanized (GI).
- ▶ The mounting plate is held by strong studs and removable for Installation of Components.
- ▶ Vertical Door Stiffness with Pre-punched Rails for easy installation of wiring Harness etc.
- ▶ The doors are reversible for Left / Right side opening with 120° angle opening Hinges.
- ▶ The door has double bit locks with key.
- ▶ A large cable entry area is provided through a sealed removable gland plate.
- ▶ Optional : Colour Shades, Canopy, Gland Box, Locks, Mounting Brackets, Non Standard Sizes etc.

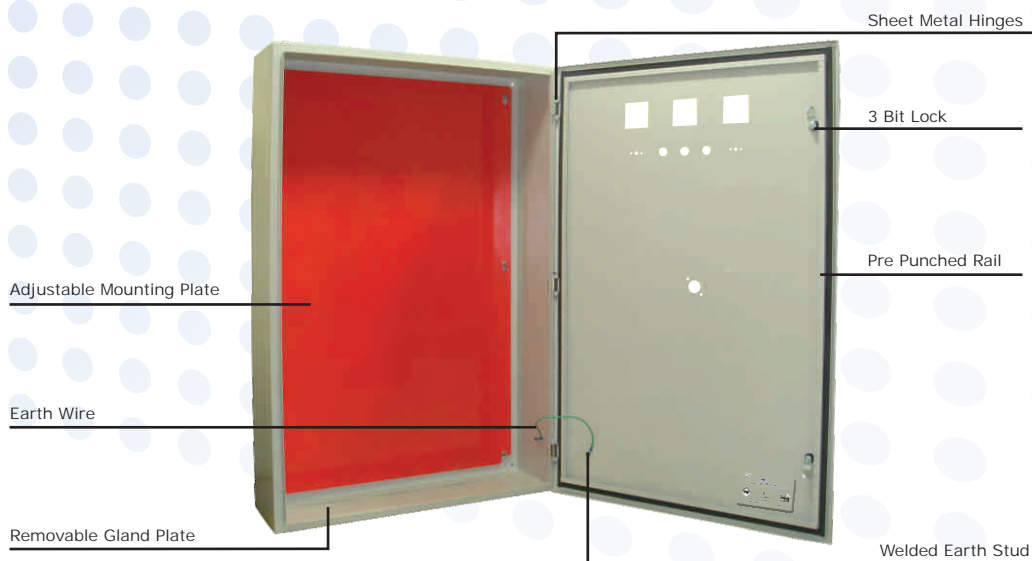
Wall Mounted Enclosures

Code	Sizes in mm			Sheet Thickness		Mounting Plate	No. of Doors	No. of Locks	Code	Sizes in mm			Sheet Thickness		Mounting Plate	No. of Doors	No. of Locks
	Width	Height	Depth	Enclosure	Door					Width	Height	Depth	Enclosure	Door			
ME-020215	200	200	150	1.50mm	1.50mm	2.00mm	1	1	ME-050520	500	500	200	1.50mm	1.50mm	2.00mm	1	2
ME-022515	200	250	150	1.50mm	1.50mm	2.00mm	1	1	ME-050620	500	600	200	1.50mm	1.50mm	2.00mm	1	2
ME-020315	200	300	150	1.50mm	1.50mm	2.00mm	1	1	ME-050720	500	700	200	1.50mm	1.50mm	2.00mm	1	2
ME-020320	200	300	200	1.50mm	1.50mm	2.00mm	1	1	ME-050725	500	700	250	1.50mm	1.50mm	2.00mm	1	2
ME-025315	250	300	150	1.50mm	1.50mm	2.00mm	1	1	ME-060621	600	600	210	1.50mm	1.50mm	2.00mm	1	2
ME-025320	250	300	200	1.50mm	1.50mm	2.00mm	1	1	ME-060625	600	600	250	1.50mm	1.50mm	2.00mm	1	2
ME-030315	300	300	150	1.50mm	1.50mm	2.00mm	1	1	ME-060820	600	800	200	1.50mm	1.50mm	2.50mm	1	2
ME-030320	300	300	200	1.50mm	1.50mm	2.00mm	1	1	ME-060821	600	800	210	1.50mm	1.50mm	2.50mm	1	2
ME-030415	300	400	150	1.50mm	1.50mm	2.00mm	1	1	ME-060825	600	800	250	1.50mm	1.50mm	2.50mm	1	2
ME-030420	300	400	200	1.50mm	1.50mm	2.00mm	1	1	ME-061020	600	1000	200	1.50mm	1.50mm	2.50mm	1	2
ME-030421	300	400	210	1.50mm	1.50mm	2.00mm	1	1	ME-061025	600	1000	250	1.50mm	1.50mm	2.50mm	1	2
ME-030520	300	500	200	1.50mm	1.50mm	2.00mm	1	1	ME-061220	600	1200	200	1.50mm	1.50mm	2.50mm	1	2
ME-030525	300	500	250	1.50mm	1.50mm	2.00mm	1	1	ME-061221	600	1200	210	1.50mm	1.50mm	2.50mm	1	2
ME-040315	400	300	150	1.50mm	1.50mm	2.00mm	1	1	ME-061225	600	1200	250	1.50mm	1.50mm	2.50mm	1	2
ME-040320	400	300	200	1.50mm	1.50mm	2.00mm	1	1	ME-061230	600	1200	300	1.50mm	1.50mm	2.50mm	1	2
ME-040415	400	400	150	1.50mm	1.50mm	2.00mm	1	1	ME-080821	800	800	210	1.50mm	1.50mm	2.50mm	1	2
ME-040420	400	400	200	1.50mm	1.50mm	2.00mm	1	1	ME-080825	800	800	250	1.50mm	1.50mm	2.50mm	1	2
ME-040515	400	500	150	1.50mm	1.50mm	2.00mm	1	1	ME-080830	800	800	300	1.50mm	1.50mm	2.50mm	1	2
ME-040520	400	500	200	1.50mm	1.50mm	2.00mm	1	1	ME-081025	800	1000	250	1.50mm	1.50mm	2.50mm	1	2
ME-040525	400	500	250	1.50mm	1.50mm	2.00mm	1	1	ME-081030	800	100	300	1.50mm	1.50mm	2.50mm	1	2
ME-040620	400	600	200	1.50mm	1.50mm	2.00mm	1	2	ME-081225	800	1200	250	1.50mm	1.50mm	2.50mm	1	2
ME-040621	400	600	210	1.50mm	1.50mm	2.00mm	1	2	ME-081230	800	1200	300	1.50mm	1.50mm	2.50mm	1	2
ME-040625	400	600	250	1.50mm	1.50mm	2.00mm	1	2									



Wall Mounted / Floor Stand Enclosures

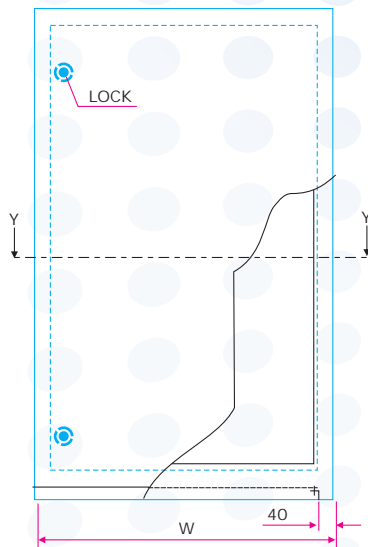
- ▶ Wide range of sizes to cover the user needs
- ▶ Protection Class-IP 55
- ▶ Removable door
- ▶ Welded earth studs with earthing wire.
- ▶ Powder coated to RAL 7032 Textured
- ▶ Wall or floor mounting



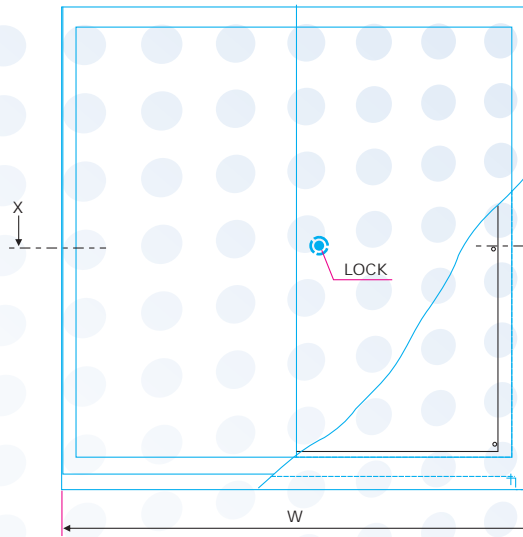
- ▶ Made from High Quality CR Sheet of Various sizes from 1.5 mm to 2.5 mm & are Electro-Statically powder coated to RAL 7032 Textured.
- ▶ Mounting Plate made of CR with powder Coating or Galvanized (GI).
- ▶ The mounting plate is held by strong studs and removable for Installation of Components.
- ▶ Vertical Door Stiffness with Pre-punched Rails for easy installation of wiring Harness etc.
- ▶ The doors are reversible for Left / Right side opening with 120° angle opening Hinges.
- ▶ The door has double bit locks with key.
- ▶ A large cable entry area is provided through a sealed removable gland plate.
- ▶ Optional : Colour Shades, Canopy, Gland Box, Locks, Mounting Brackets, Non Standard Sizes etc.

Wall Mounted/Floor Stand Enclosures

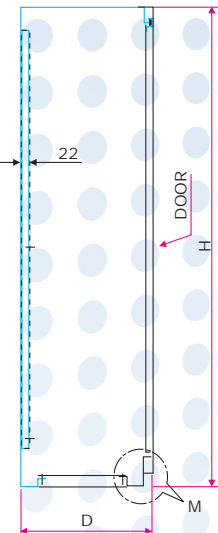
Code	Sizes in mm			Sheet Thickness		Mounting Plate	No. of Doors	No. of Locks
	Width	Height	Depth	Enclosure	Door			
ME-081430	800	1400	300	1.50mm	1.50mm	2.00mm	1	2
ME-101225	1000	1200	250	1.50mm	1.50mm	2.00mm	2	2
ME-101235	1000	1200	350	1.50mm	1.50mm	2.00mm	2	2
ME-121235	1200	1200	350	1.50mm	1.50mm </td <td>2.00mm</td> <td>2</td> <td>2</td>	2.00mm	2	2



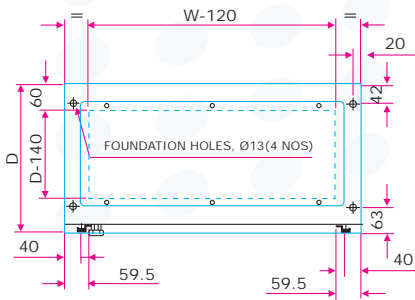
FRONT VIEW
(WITH SINGLE DOOR)



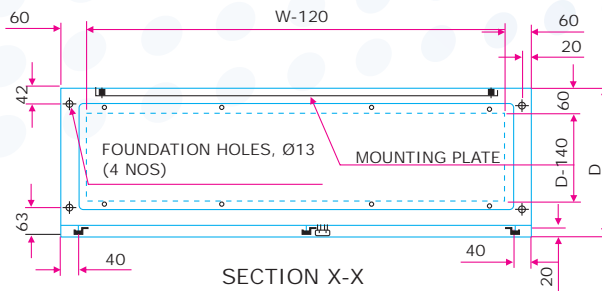
FRONT VIEW
(WITH DOUBLE DOOR)



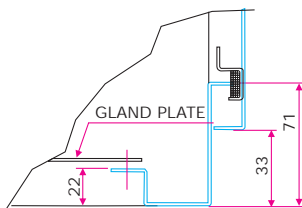
SECT. SIDE VIEW



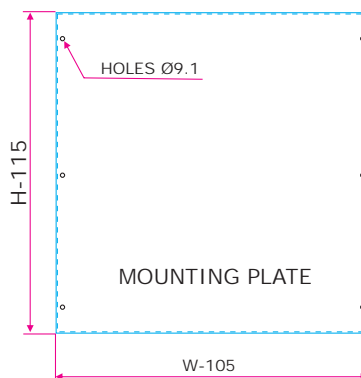
SECTION Y-Y



SECTION X-X



DETAIL-M



MOUNTING PLATE

Floor Stand Enclosures

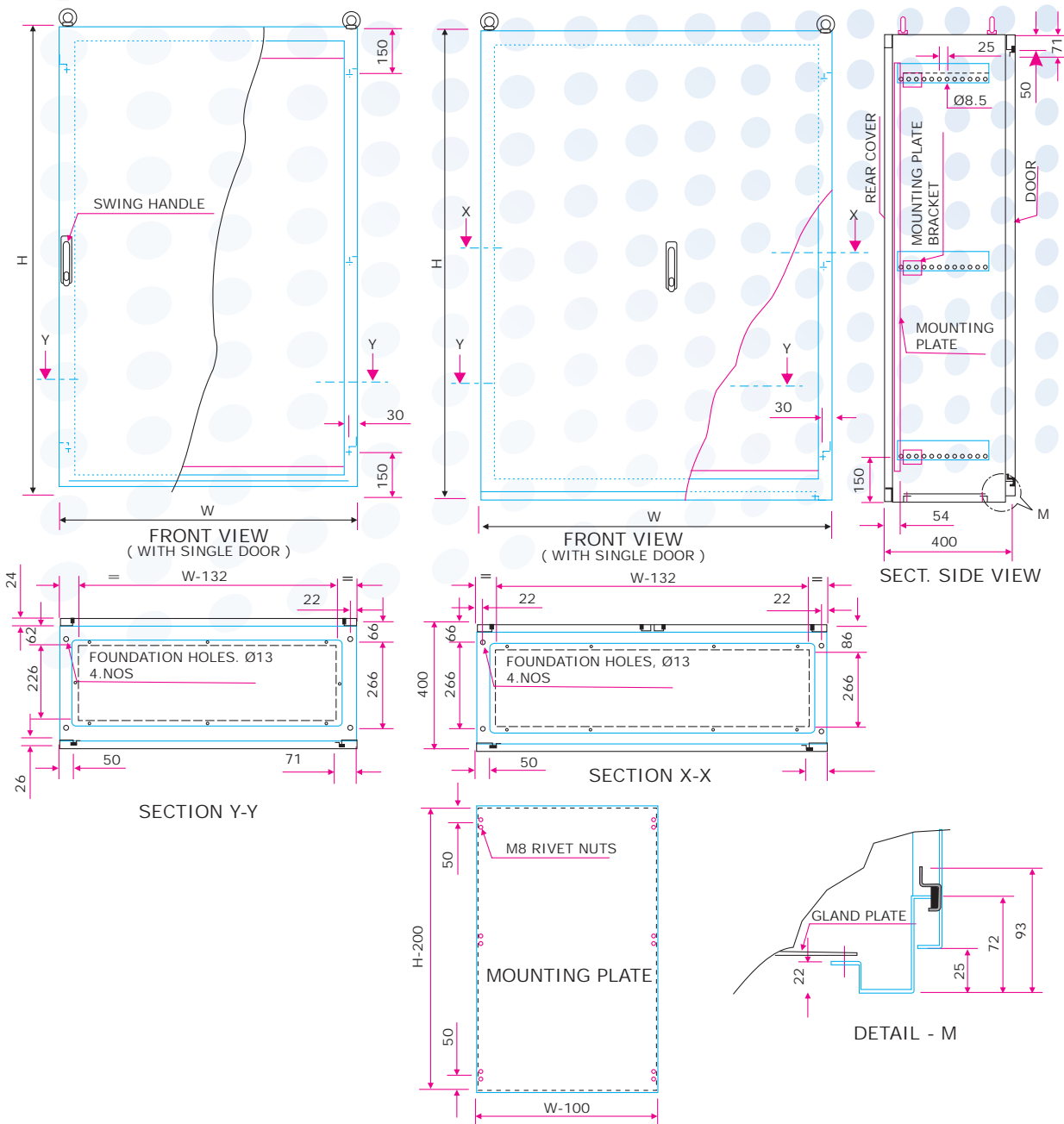
- ▶ *Protection Class-IP 55*
- ▶ *Removable door*
- ▶ *Welded earth studs with Earthing Wire*
- ▶ *Powder coated to RAL 7032 Textured*
- ▶ *Floor mounting*



- ▶ Made from High Quality CR Sheet of Various Sizes from 1.5 mm to 2.5 mm & are Electro-Statically Powder Coated to RAL 7032 Textured.
- ▶ Mounting Plate are made of CR with Powder Coating or Galvanized with Special Brackets to adjust the depth of the Mounting Plate.
- ▶ The doors are reversible for Left / Right side opening with 120° angle opening Hinges
- ▶ The door have 3 points or 4 points lock with swing handles mechanism.
- ▶ Vertical Stiffness on Doors are provided for easy Installation of wiring harness etc.
- ▶ Eyebolts for lifting
- ▶ Optional : Colour Shades, Canopy, Plinth, Locks, Pad Locks Non Standard Sizes

Floor Stand Enclosures

Code	Sizes in mm			Sheet Thickness		Mounting Plate	No. of Doors	No. of Locks
	Width	Height	Depth	Enclosure	Door			
ME-061640	600	1600	400	1.50mm	1.50mm	2.00mm	1	1
ME-081640	800	1600	400	1.50mm	1.50mm	2.00mm	1	1
ME-101640	1000	1600	400	1.50mm	1.50mm	2.00mm	1	1
ME-121640	1200	1600	400	1.50mm	1.50mm <td 2.00mm	2	1	
ME-151640	1500	1600	400	1.50mm	1.50mm	2.00mm	2	1
ME-061840	600	1800	400	1.50mm	1.50mm	2.00mm	1	1
ME-081840	800	1800	400	1.50mm	1.50mm	2.00mm	1	1
ME-101840	1000	1800	400	1.50mm	1.50mm	2.00mm	2	1
ME-151840	1500	1800	400	1.50mm	1.50mm	2.00mm	2	1



Extendable Enclosures

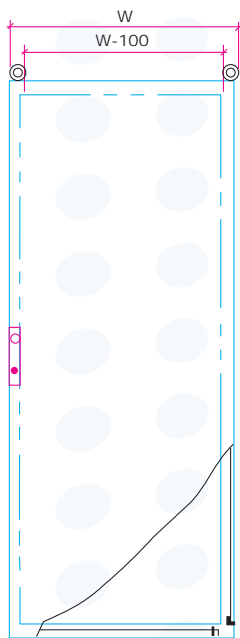
- ▶ *Protection Class-IP 55*
- ▶ *Removable door*
- ▶ *Extendable to either Side.*
- ▶ *Welded earth studs with Earthing Wire*
- ▶ *Powder coated to RAL 7032 Textured*
- ▶ *Floor mounting*



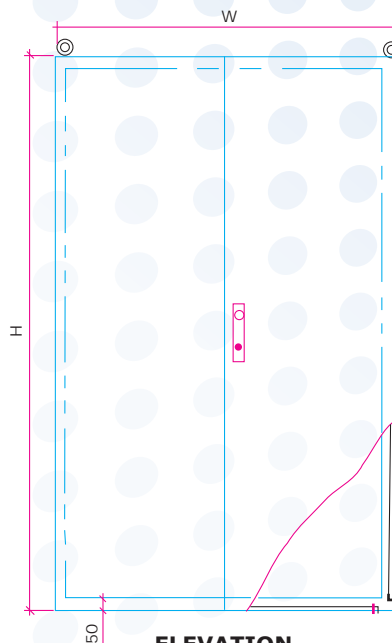
- ▶ Made from High Quality CR Sheet of Various Sizes from 1.5 mm to 2.5 mm & are Electro-Statically Powder Coated to RAL 7032 Textured.
- ▶ The Extendable type Enclosure are provided with Multi-folded rigid frames for easily Extendable on either side to any width
- ▶ Mounting Plate are made of CR with Powder Coated or Galvanized Sheet.
- ▶ The Enclosure frame is provided with perforated side channels to adjust the depth of mounting Plate.
- ▶ The door has 3 points or 4 points lock with swing handles mechanism.
- ▶ The doors are reversible for Left & Right side opening with 120° angle opening Hinges
- ▶ Eyebolts for lifting
- ▶ Optional : Colour Shades, Canopy, Plinth, Locks, Pad Locks, Locks Handle, Non Standard Sizes.

Extendable Enclosures

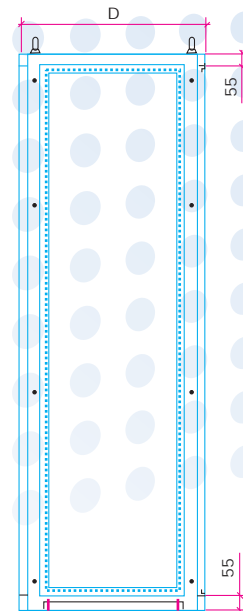
Code	Sizes in mm			Sheet Thickness		Mounting Plate	No. of Doors	No. of Locks
	Width	Height	Depth	Enclosure	Door			
ME-062060	600	2000	600	1.50mm	1.50mm	2.00mm	1	1
ME-082060	800	2000	600	1.50mm	1.50mm	2.00mm	1	1
ME-102060	1000	2000	600	1.50mm	1.50mm	2.00mm	1	1
ME-122060	1200	2000	600	1.50mm	1.50mm	2.00mm	2	1



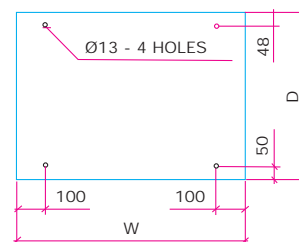
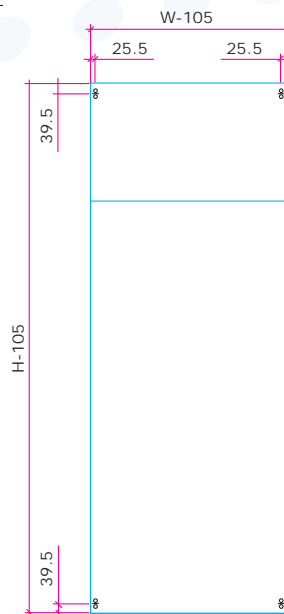
ELEVATION



ELEVATION



SECT. SIDE VIEW



FOUNDATION DETAIL

FINISH :

1. RAL 7032 TXT. For ENCLOSURE
2. RAL 2000 SEMI GLOSSY FOR MOUNTING PLATE

Form 4 LV Switchboards

Features

- Form 4 Types 6 or 7 individual metal compartments.
- ASTA certified to BS EN 60439-1/IEC 60439-1
- Totally enclosed busbars & risers in sheet steel compartments.
- Ingress Protection to IP43.
- Naturally ventilated.
- Compact modular design conserves maximum space.
- Rear access construction with protective devices removable from the front.
- Special dimensions to customer requirements.
- Wide choice of devices ACBs, MCCBs and fuse-switches.
- Integral power factor correction.
- Comprehensive range of ancillary equipment including ammeters, voltmeters and kWh meters.
- Wide range of control options including PLCs and BMS interfacing.
- Choice of locking devices includes Castell locking, shaft and handle locking.
- Versatile enclosure system allows future extension of switchboard.

Engineering & Design

- A complete system design and application service is available from our specialist technical team, who are always available to help and advise on any project.

Construction

- VNS Form 4 fully compartmentalised low voltage switchboards are of standardised modular construction giving a great degree of flexibility and good technical performance coupled with cost effectiveness.
- The basic design includes corner sections providing facilities for 'L' or 'U' shaped assemblies.

Comprehensive Specification

- VNS switchboards are designed so that combinations of fuse-switches, MCCBs, ACBs, power factor correction equipment, CTs anti-condensation heaters and other ancillary equipment can be arranged in vertical stacks, complete with busbars, riser and interconnections, all enclosed with separation to Form 4 Type 6 or 7.

Rear Access

- Totally suited to heavy current applications and providing unobstructed access at the rear for cabling.

Standard Rear Access Switchboard Dimensions

- Depth - 650mm, 1000mm, 1300mm to meet system requirements.
Height - Width 400 mm to 1100mm plus ventilation cowls.
Dimension of switchboards can be accommodated to meet customer specifications.

Cabling

- The rear access design has full cable segregation suitable for top and bottom cable and busduct entry, with removable cable entry plates being provided where appropriate.

Locking Devices

- Locking options include Castell / Ronis door, shaft and handle locking.

Switchboard Colours

- RAL 7035 is the standard colour for switchboards. However a wide choice of colours are available on request.



Weatherproof
Switchboard to IP55

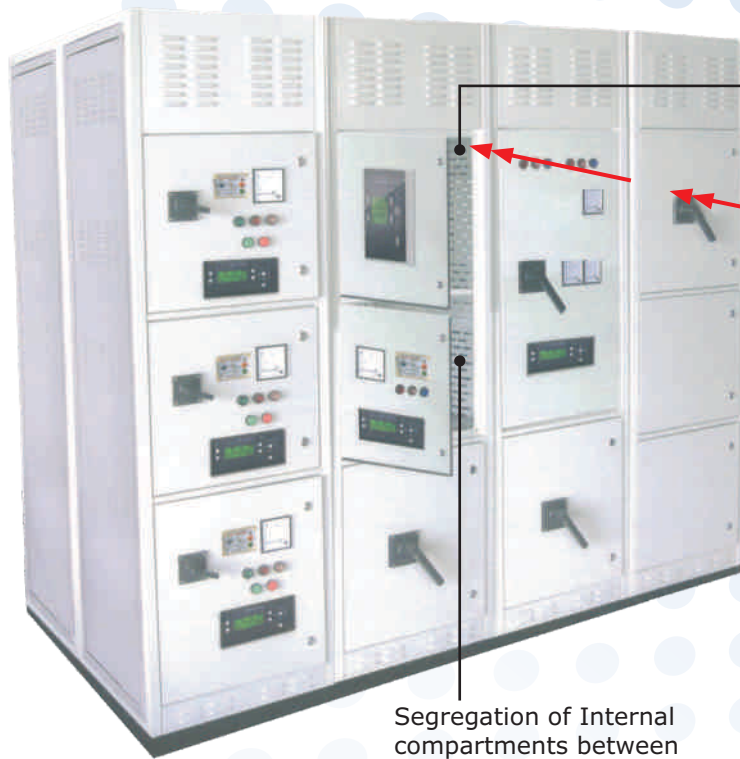


Switchboard individual
metal compartments

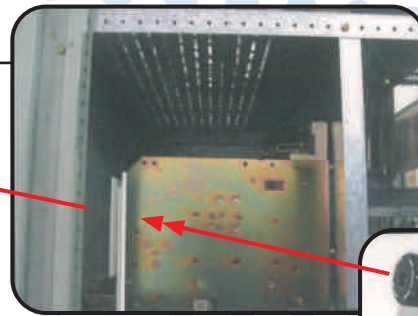


Free standing
Motor Control
Switchgear

Type Tested Switchboards



Segregation of Internal compartments between cubicles



Thermal Imaging Accessibility

- Zero downtime for removal of metal compartments during thermal image scanning.
- Zero downtime for power interruption.
- Thermal imaging facilities as fitted in our type test assembly during Type Testing

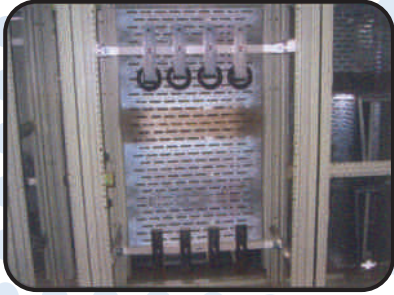


Fully Automatic Synchronising Panel Complete with MCC and Outgoing Feeders

Type Tested Switchboards

Cabling Rear & Top/Bottom Access

Individual load circuit cable boxes are provided at the rear cable way. Each box consists of an access cover and a flat removable blank gland plate to provide easy site drilling and fixing of cable glands.



Internal View of Functional Units without Terminal Box



Internal View of Functional Units with Terminal Box

Form 4 Separation

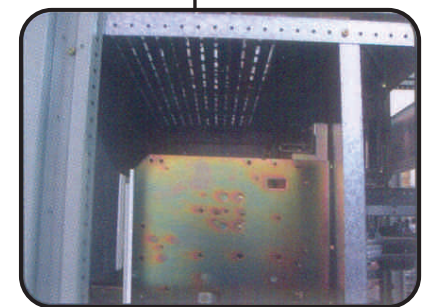
Separation of the busbar system from functional units and separation of all functional units from each other is a feature of the VNS Form 4 switchboard. Incoming and outgoing terminals are also separated from the busbars and from each other.



Functional Units Terminal Box Conforms to Form 4B Type 7



Horizontal Busbar Compartment



Bottom View of Horizontal Busbar Compartment which is totally enclosed Busbar System.

EARTHING (EQUI-POTENTIAL BONDING)

For total compliance with IEC 439-1 regulation, VNS has a comprehensive earth bonding system which directly bonds all doors, removable covers, cable boxes and compartment barriers to the system earth bar. VNS Switchboard has an earth system ASTA certified for fault levels up to 30KA and 39KA for 3 seconds.

VNS Power Generators

VNS Generator is distinguished as much by the dedication and skills of its people as it is by the quality of its products and services. As a customer of advanced power you will find that we listen to you and hear what you have to say, So we know and understand exactly which products and technical support will best meet your particular needs. To this end, we are totally committed to achieving and maintaining the highest possible level of quality in the manufacture of our product range, and are dedicated to providing you with exceptional services and technical expertise.

A SOURCE OF INNOVATIVE POWER

In the face of extremely tough competition, VNS Generator was awarded by local authorities for special diesel set with very strict requirements for alternator design and digital indication meters with multifunctions.

VNS Generator manufacturing is carried out in compliance to the special quality assurance specification and its independently audited. VNS Generator is the preferred supplier to the local authorities.

ILLUMINATING THE FUTURE

VNS Generator is a leading installer of Prime and standby power systems throughout ASIA, with many of the country's landmark and buildings having VNS Generator Installations. We covers both the private and Government sectors.

UNSURPASSED EFFICIENCY

Undoubtedly, One of the key factors in the company's success is the dedication of our staff. Our Employee's show great pride in their workmanship and pride in the relationships they build with our customers.

Conscious we are known for our operational efficiency, functional capability and unbeatable quality in design and our workmanship. Our commitment to quality is reinforced by the fact that we are accredited to the International Quality Assurance Standards.

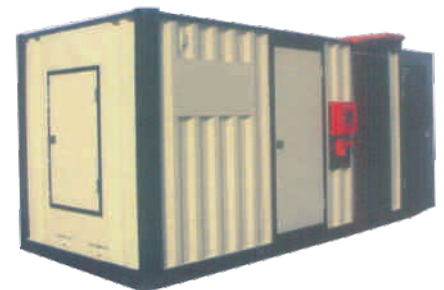
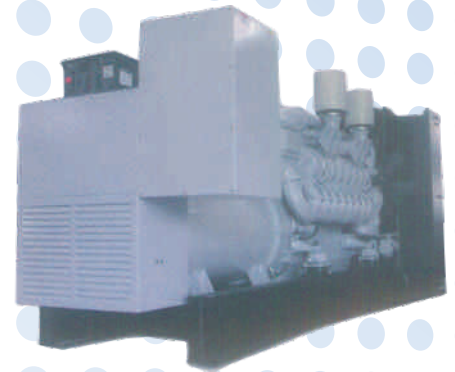
INDIGENOUS EXPORT

Our manufacturing units are fully equipped with the latest technology based on the indigenous design which are continuously being upgraded and improved on VNS Generator records in exports have been outstanding. Export success has been achieved all our ASIA.

Products exported include diesel generating sets, welders and larger stationary diesel sets and control systems. Ouputs are available in 50 to 60 cycle and various single and three phase voltages.

OUR SUCCESS

We believe our success has been officially recognized on several occasions, is due to our ability to serve various and innumerable companies for their different needs of power equipments throughout asia as well as surrounding key regions. We possess the range of expertise to fulfill our customer's individual requirement to meet any required output. The experience and team spirit of our staff guarantees the support that the client expects and deserves. By concentrating excessively as generating sets, VNS Generator can insure the competitiveness and quality.



Wall Mounted & Floor Stand Enclosures (Indoor)

CKD

(COMPLETE KNOCK-DOWN)

Our wall mounted enclosures consists of 19 different sizes from ME-030401 to ME-121202 and the floor stand cubical consists of 33 different sizes varies from MC-051503 to MC-072012.

Our switchboards are designed in modular system (Complete knock-down, CKD) in accordance with IEC 60439-1 standards. The enclosure system has complete modularity in all three axes with base module of 100mm. This provides the most flexible solution possible. Width, height and depth as well as sizing and placement of any sub-sections are infinitely variable.

Panels can able to transport in flat packs or kits form at low cost. It can be stocked in a minimum space and assemble at panels builder's premises or factory. Our switch boards can make an unbeatable flexibility, allowing almost any configurations and size to be designed.

The unique and framework system constructed of 2mm steel profiles, incorporating bends ensures a maximum strength. The door is reversible for left/right side opening and is provided with concealed hinges with a 130° opening angle. The mounting plates are fitted by strong screws and are designed for optimum utilisation of enclosure space. External cladding and doors are all come with a sealing gasket ensuring a standard IP 42 rating.

The following features ensures a clear overview

- ➔ Degree of protection IP 42
- ➔ Powder coated RAL 7035 (Grey)
- ➔ Complete knock-down system (CKD)
- ➔ Removable & Swing Doors.

Advantages of our enclosures.....

- ❖ High flexibility & upgradability
- ❖ Easy & Fast assembly
- ❖ Easy to maintain & storage.
- ❖ Floor standing or wall mounting design
- ❖ High operation reliability
- ❖ High degree of personnel safety



Wall mount Type

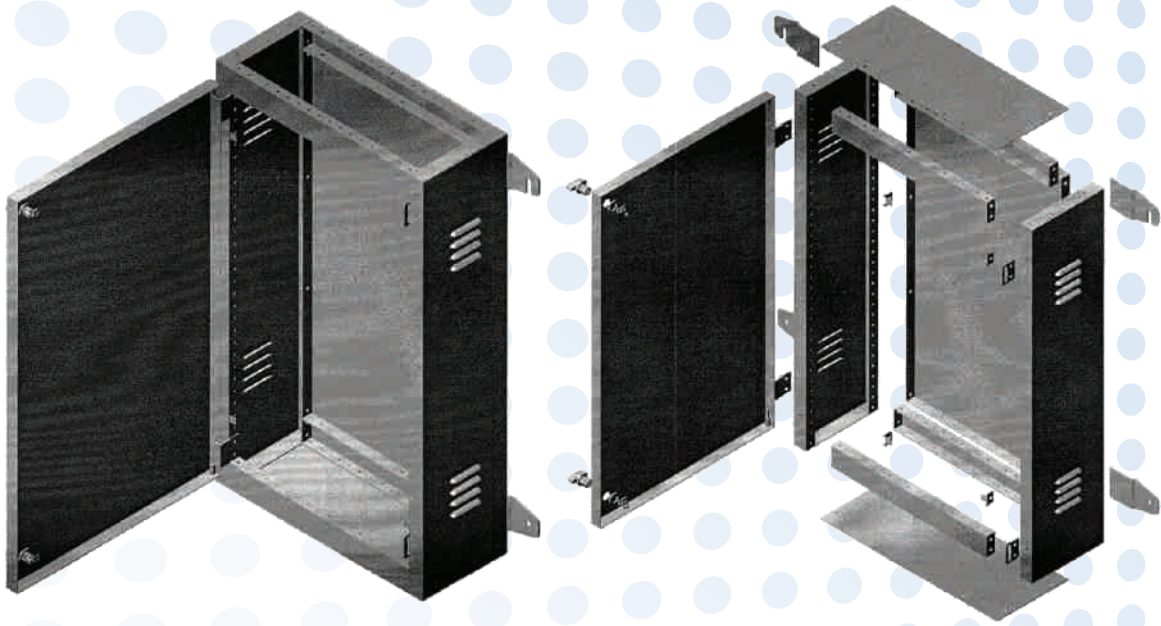


Wall mount Type

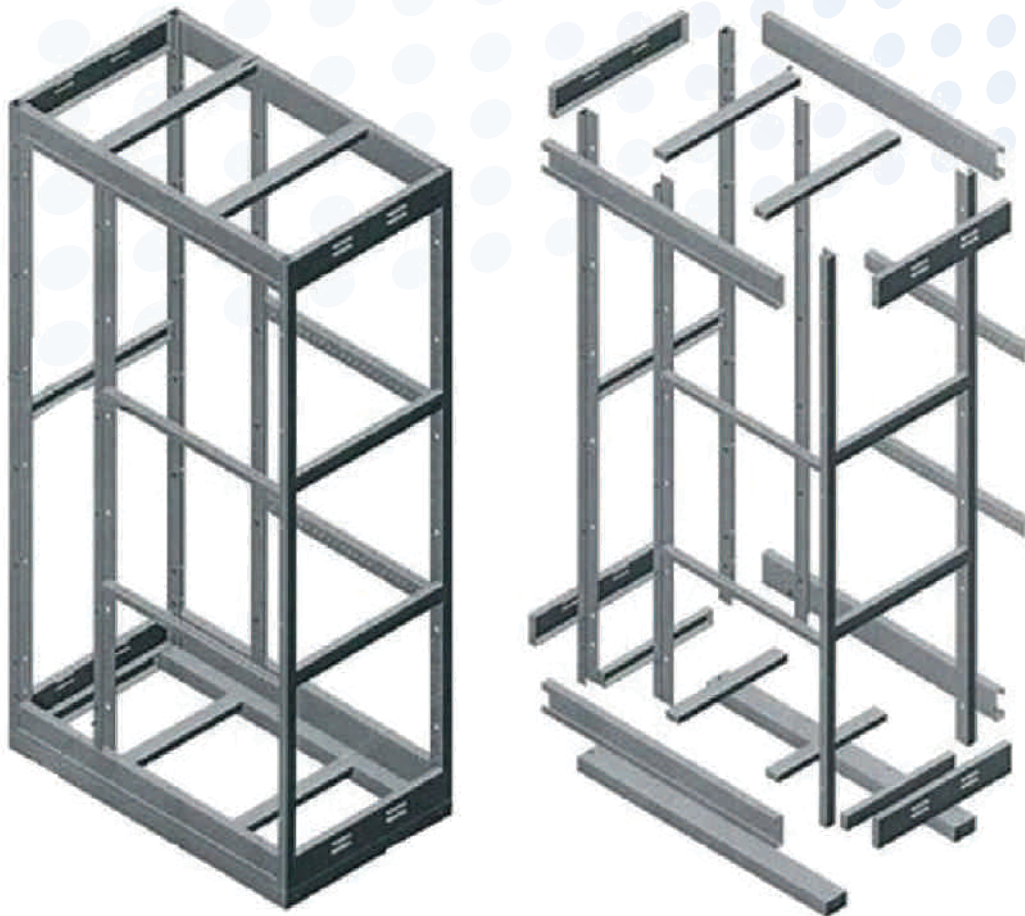


Floor Stand Type

Complete Knock-Down Type Enclosure



Complete Knock-Down Type Structure

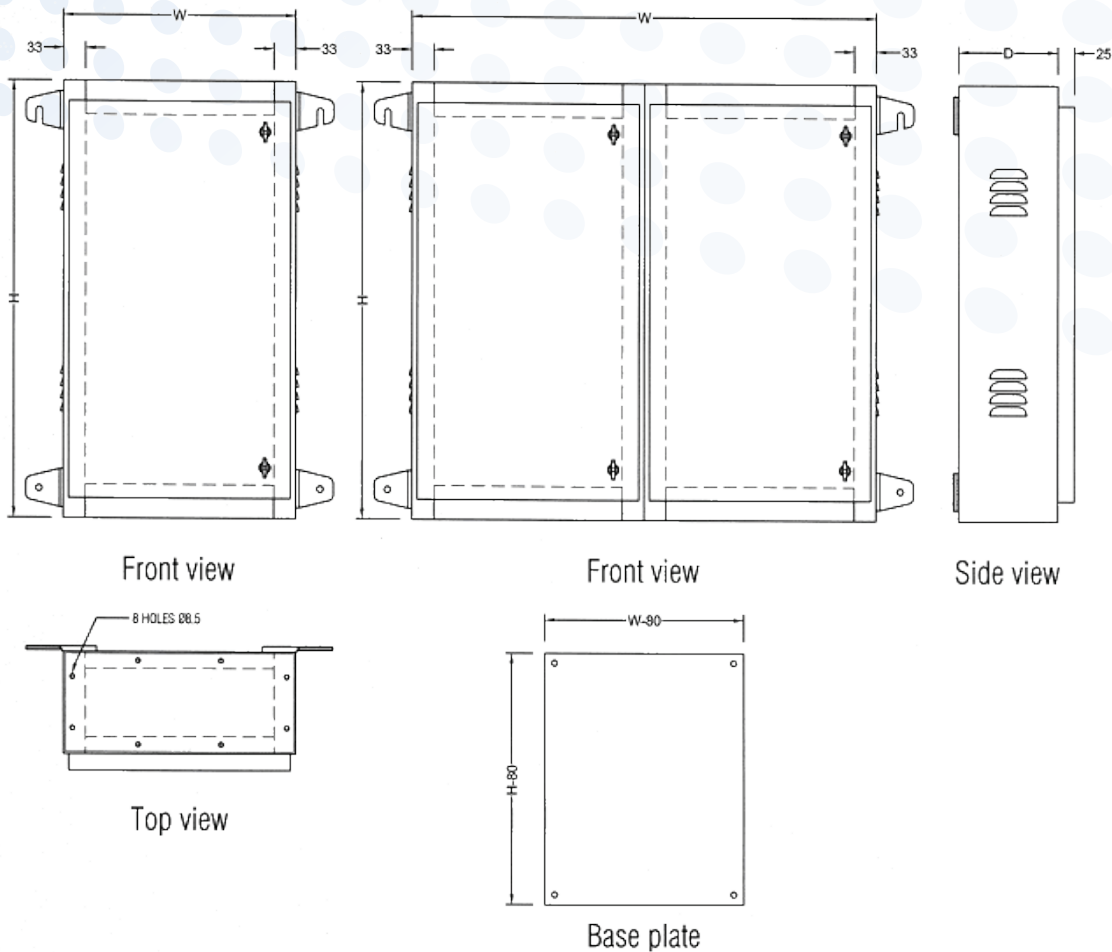


Wall Mounted Enclosures (Indoor)

Model	Dimensions				No. of Locks	Mounting Plate	
	Width (W)	Height (H)	Depth (D)			Type	Sheet Thickness
ME-030401	300	400	100	1.5	1	MP-BP34	1.5
ME-030402	300	400	200	1.5	1	MP-BP34	1.5
ME-040502	400	500	200	1.5	2	MP-BP45	1.5
ME-050602	500	600	200	1.5	2	MP-BP56	1.5
ME-050802	500	800	200	1.5	2	MP-BP58	1.5
ME-051002	500	1000	200	1.5	2	MP-BP510	1.5
ME-051202	500	1200	200	1.5	2	MP-BP512	1.5
ME-060802	600	800	200	1.5	2	MP-BP68	1.5
ME-061002	600	1000	200	1.5	2	MP-BP610	1.5
ME-061202	600	1200	200	1.5	2	MP-BP612	1.5
ME-071002	700	1000	200	1.5	2	MP-BP710	1.5
ME-071202	700	1200	200	1.5	2	MP-BP712	1.5
ME-100802	500+500	800	200	1.5	2	MP-BP58 (2)	1.5
ME-101002	500+500	1000	200	1.5	2	MP-BP510(2)	1.5
ME-101202	500+500	1200	200	1.5	2	MP-BP512(2)	1.5
ME-111002	500+600	1000	200	1.5	2	MP-BP510,610	1.5
ME-111202	500+600	1200	200	1.5	2	MP-BP510,610	1.5
ME-121002	600+600	1000	200	1.5	2	MP-BP610(2)	1.5
ME-121202	600+600	1200	200	1.5	2	MP-BP610 (2)	1.5

Note: 250 & 300mm depth size also available upon request

Dimensions:



Floor Stand MSB Columns (Indoor)

Model	Dimensions			Sheet Thickness	
	Width (W)	Height (H)	Depth (D)	Encl	Door
MC-051503	500	1500	300	2	1.5
MC-061503	600	1500	300	2	1.5
MC-071503	700	1500	300	2	1.5
MC-051703	500	1700	300	2	1.5
MC-061703	600	1700	300	2	1.5
MC-071703	700	1700	300	2	1.5
MC-052003	500	2000	300	2	1.5
MC-062003	600	2000	300	2	1.5
MC-072003	700	2000	300	2	1.5

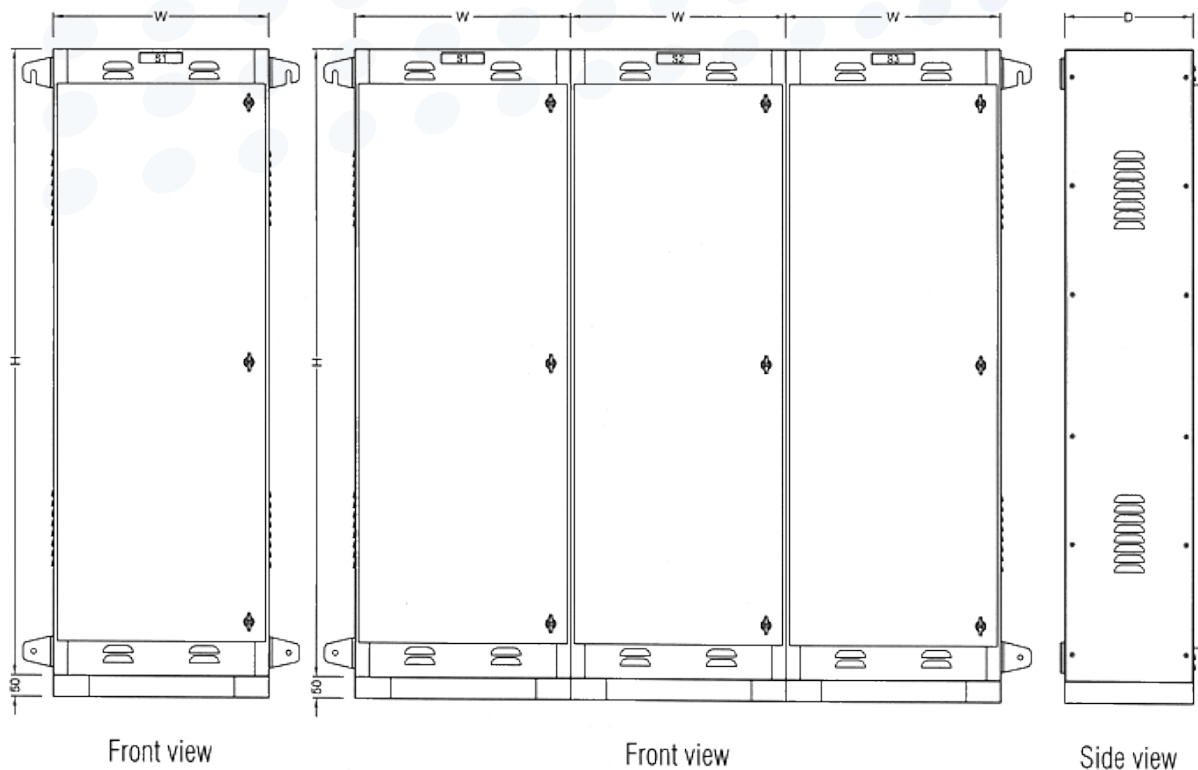
Model	Dimensions			Sheet Thickness	
	Width (W)	Height (H)	Depth (D)	Encl	Door
MC-031705	300	1700	500	2	1.5
MC-051705	500	1700	500	2	1.5
MC-061705	600	1700	500	2	1.5
MC-071705	700	1700	500	2	1.5
MC-032005	300	2000	500	2	1.5
MC-052005	500	2000	500	2	1.5
MC-062005	600	2000	500	2	1.5
MC-072005	700	2000	500	2	1.5

MC-031707	300	1700	700	2	1.5
MC-051707	500	1700	700	2	1.5
MC-061707	600	1700	700	2	1.5
MC-071707	700	1700	700	2	1.5
MC-032007	300	2000	700	2	1.5
MC-052007	500	2000	700	2	1.5
MC-062007	600	2000	700	2	1.5
MC-072007	700	2000	700	2	1.5

MC-032010	300	2000	1000	2	1.5
MC-052010	500	2000	1000	2	1.5
MC-062010	600	2000	1000	2	1.5
MC-072010	700	2000	1000	2	1.5
MC-032012	300	2000	1200	2	1.5
MC-052012	500	2000	1200	2	1.5
MC-062012	600	2000	1200	2	1.5
MC-072012	700	2000	1200	2	1.5

Note: Other sizes also available upon request

Dimensions:



Weather Proof Wall Mounted & Floor Stand Enclosures

The weather proof wall mounted enclosures consists of 10 different sizes from ME-WP0404025 to ME-WP1310025 and the floor stand cubical consists of 24 different sizes varies from MC-WP051603 to MC-WP081907.

Our weather proof panels are specially designed for protection against dust and water. They are made of fully welded construction with grounded at smooth corners. The hybrid powder coating epoxy/polyster which gives a high corrosion protection.

The door is reversible for left/right side opening and is provided with hinges with a 30° opening angle. The door is provided with

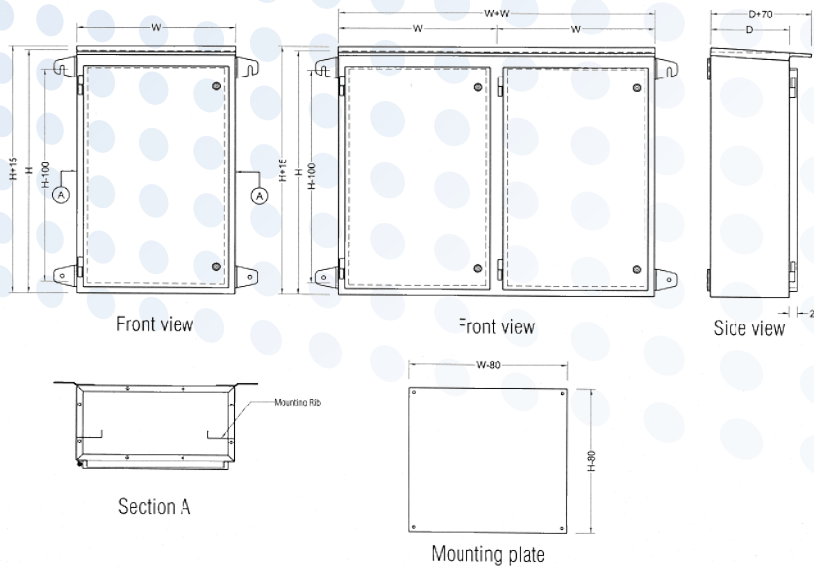
detachable door locking system which is safety for outdoor installations.

The mounting plates are fitted by strong screws and are designed for optimum utilisation of enclosure space. External cladding and doors are all come with a sealing gasket ensuring a standard IP 54 rating.

The following features ensures a clear overview

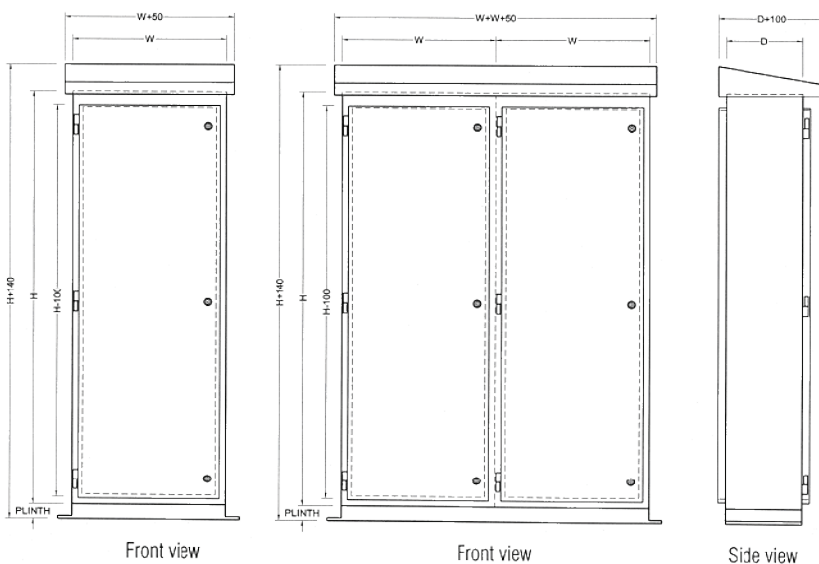
- ➔ Degree of protection IP 54
- ➔ Powder coated RAL 7035 (Grey)
- ➔ Complete knock-down system (CKD)
- ➔ Removable & Swing Doors.

Dimensions: Weather Proof Wall Mounted Enclosures



Wall mount Type

Dimensions: Weather Proof Floor Stand Columns



Floor Stand Type

Weather Proof Wall Mounted & Floor Stand Enclosures

Weather Proof Wall Mounted Enclosures

Model	Dimensions				No. of Locks	Mounting Plate	
	Width (W)	Height (H)	Depth (D)	Thickness		Type	Sheet Thickness
ME-WP0404025	400	400	190	1.5	2	MP-BP44	1.5
ME-WP0506025	500	600	250	1.5	2	MP-BP56	1.5
ME-WP0606025	600	600	250	1.5	2	MP-BP66	1.5
ME-WP0706025	700	600	250	1.5	2	MP-BP76	1.5
ME-WP0608025	600	800	250	1.5	2	MP-BP68	1.5
ME-WP0708025	700	800	250	1.5	2	MP-BP78	1.5
ME-WP1010025	500+500	1000	250	1.5	2	MP-BP510(2)	1.5
ME-WP1110025	500+600	1000	250	1.5	2	MP-BP510,610	1.5
ME-WP1210025	600+600	1000	250	1.5	2	MP-BP610(2)	1.5
ME-WP1310025	600+700	1000	250	1.5	2	MP-BP610,710	1.5

Weather Proof Floor Stand Columns

Model	Dimensions			Sheet Thickness		No. of Locks	Plinth
	Width (W)	Height (H)	Depth (D)	Encl	Door		
MC-WP051603	500	1600	300	1.5	1.5	3	50
MC-WP061603	600	1600	300	1.5	1.5	3	50
MC-WP071603	700	1600	300	1.5	1.5	3	50
MC-WP081603	800	1600	300	1.5	1.5	3	50

MC-WP051605	500	1600	500	1.5	1.5	3	50
MC-WP061605	600	1600	500	1.5	1.5	3	50
MC-WP071605	700	1600	500	1.5	1.5	3	50
MC-WP081605	800	1600	500	1.5	1.5	3	50

MC-WP051607	500	1600	700	1.5	1.5	3	50
MC-WP061607	600	1600	700	1.5	1.5	3	50
MC-WP071607	700	1600	700	1.5	1.5	3	50
MC-WP081607	800	1600	700	1.5	1.5	3	50

Model	Dimensions			Sheet Thickness		No. of Locks	Plinth
	Width (W)	Height (H)	Depth (D)	Encl	Door		
MC-WP051903	500	1900	300	1.5	1.5	3	50
MC-WP061903	600	1900	300	1.5	1.5	3	50
MC-WP071903	700	1900	300	1.5	1.5	3	50
MC-WP081903	800	1900	300	1.5	1.5	3	50

MC-WP051905	500	1900	500	1.5	1.5	3	50
MC-WP061905	600	1900	500	1.5	1.5	3	50
MC-WP071905	700	1900	500	1.5	1.5	3	50
MC-WP081905	800	1900	500	1.5	1.5	3	50

MC-WP051907	500	1900	700	1.5	1.5	3	50
MC-WP061907	600	1900	700	1.5	1.5	3	50
MC-WP071907	700	1900	700	1.5	1.5	3	50
MC-WP081907	800	1900	700	1.5	1.5	3	50

Double Door Wall Mounted & Floor Stand Enclosures

The Double door wall mounted consists of 15 different sizes from ME-DD060803 to ME-DD131203 and the floor stand cubical consists of 12 different sizes varies from ME-DD061653 to ME-DD081955.

Our double door system consists of single external door and individual internal doors for the sections. Double door enclosure system has complete modularity in all three axes with base module of 100 mm. This provides the most flexible solution possible. Width, height and depth as well as sizing and Placement of any sub-sections are infinitely variable.

Panels can be transported in flat packs or kits form at low cost. It can be stocked in a minimum space and assembled at panels builder's premises or factory. Our switch boards can make an unbeatable flexibility, allowing almost any configurations and size to be designed.

The unique and frame work system constructed of 2mm steel profiles, incorporating bends ensures a maximum strength. The mounting plates are fitted by strong screws and are designed for optimum utilisation of enclosure space. External cladding and doors are all come with a sealing gasket ensuring a standard IP 42 rating.

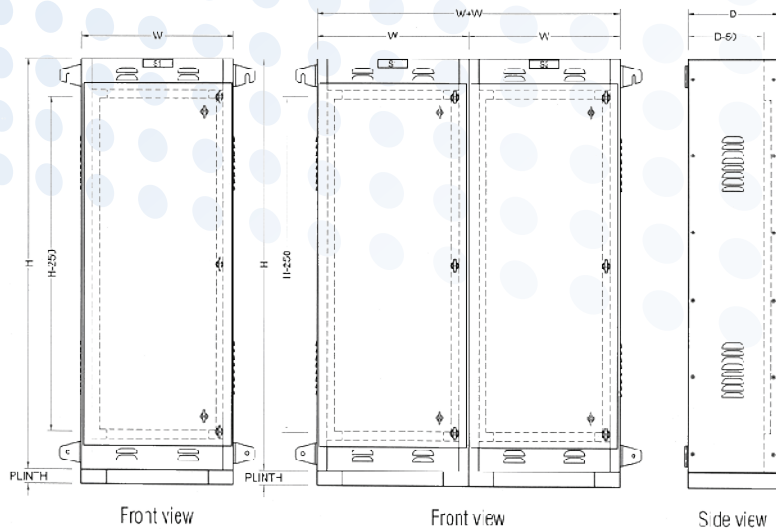
The following features ensure a clear overview

- ➔ Degree of protection IP 42
- ➔ Powder coated RAL 7035 (Grey)
- ➔ Complete knock-down system (CKD)
- ➔ Removable & Swing Doors.

Advantages of our enclosures.....

- ❖ High degree of personnel safety
- ❖ High flexibility & upgradability
- ❖ Easy & Fast assembly
- ❖ Easy to maintain & storage.
- ❖ Floor standing or wall mounting design
- ❖ High operation reliability

Dimensions: Double Door Floor Stand Columns

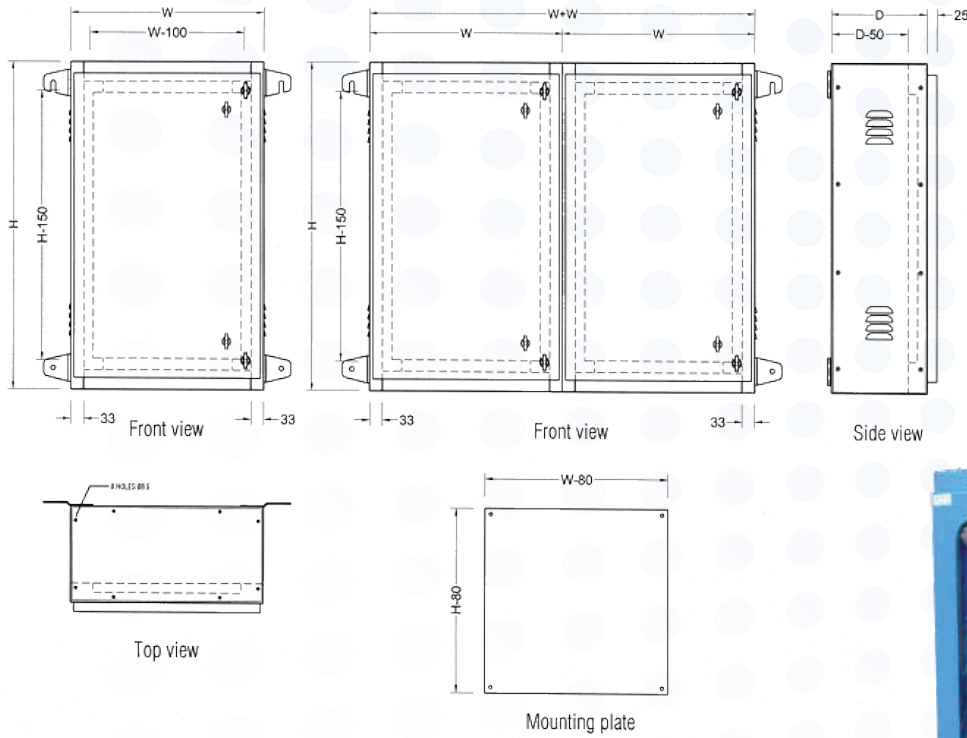


Floor Stand Type

Model	Dimensions			Sheet Thickness		No. of Locks	Plinth
	Width (W)	Height (H)	Depth (D)	Encl	Door		
MC-DD061653	600	1650	300	2	1.5	3	50
MC-DD071653	700	1650	300	2	1.5	3	50
MC-DD081653	800	1650	300	2	1.5	3	50
MC-DD061953	600	1950	300	2	1.5	3	50
MC-DD071953	700	1950	300	2	1.5	3	50
MC-DD081953	800	1950	300	2	1.5	3	50
MC-DD061655	600	1650	500	2	1.5	3	50
MC-DD071655	700	1650	500	2	1.5	3	50
MC-DD081655	800	1650	500	2	1.5	3	50
MC-DD061955	600	1950	500	2	1.5	3	50
MC-DD071955	700	1950	500	2	1.5	3	50
ME-DD081955	800	1950	500	2	1.5	3	50

Double Door Wall Mounted Enclosures

Dimensions:

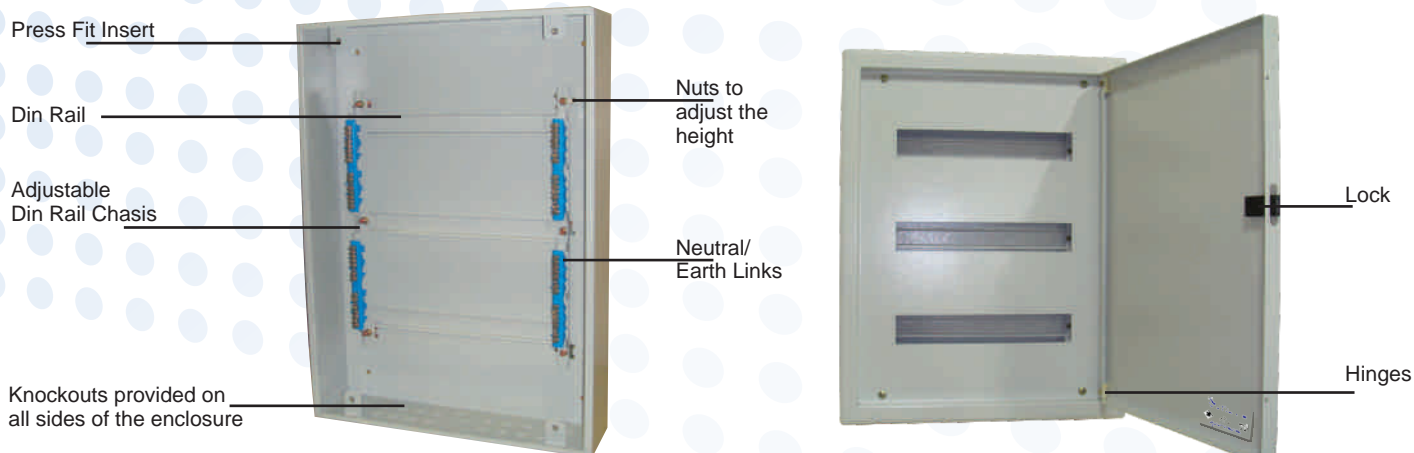


Wall Mounting Type

Model	Dimensions				No. of Locks	Mounting Plate	
	Width (W)	Height (H)	Depth (D)	Thickness		Type	Sheet Thickness
ME-DD060803	600	800	300	1.5	2	MP-BP68	1.5
ME-DD070803	700	800	300	1.5	2	MP-BP78	1.5
ME-DD061003	600	1000	300	1.5	2	MP-BP610	1.5
ME-DD061203	600	1200	300	1.5	2	MP-BP612	1.5
ME-DD071003	700	1000	300	1.5	2	MP-BP710	1.5
ME-DD071203	700	1200	300	1.5	2	MP-BP712	1.5
ME-DD100803	500+500	800	300	1.5	2	MP-BP58(2)	1.5
ME-DD101003	500+500	1000	300	1.5	2	MP-BP510(2)	1.5
ME-DD101203	500+500	1200	300	1.5	2	MP-BP512(2)	1.5
ME-DD111003	500+600	1000	300	1.5	2	MP-BP510,610	1.5
ME-DD111203	500+600	1200	300	1.5	2	MP-BP512,612	1.5
ME-DD121003	600+600	1000	300	1.5	2	MP-BP610(2)	1.5
ME-DD121203	600+600	1200	300	1.5	2	MP-BP612(2)	1.5
ME-DD131003	600+700	1000	300	1.5	2	MP-BP610,710	1.5
ME-DD131203	600+700	1200	300	1.5	2	MP-BP612,712	1.5

Multi Row Din-Consumer Boards

- ▶ *Protection Class-IP 55*
- ▶ *Powder coated to RAL 7032 Textured*
- ▶ *From 10 to 16 Modules per Row*
- ▶ *Reversible door for left / right opening*
- ▶ *All 4 sides Knockouts*
- ▶ *Surface and flush type*



- ▶ Made from high quality CR Sheet of Various Sizes & are Electro Statically Powder coated to RAL 7035 Textured.
- ▶ Standard 16 modules per Row Type Distribution Board available in Surface & Flush Mounting.
- ▶ Extra Space all around for easy wiring with Knockouts on top & Bottom for cable entry.
- ▶ The DB's are provided with DIN Rail Chasis to easily adjust the depth. Neutral Bars can be fixed directly on the Chasis of Din Rail
- ▶ Din Rail are fixed with screw on the Chasis to adjust the Breakers.
- ▶ Optional : Also Available in 18 & 24 module board with optional colour shades to match the architectural demands, can also be made in Standard Steel, locks etc.

Multi Row Din-Consumer Boards

Consumer Distribution Board 16 Module

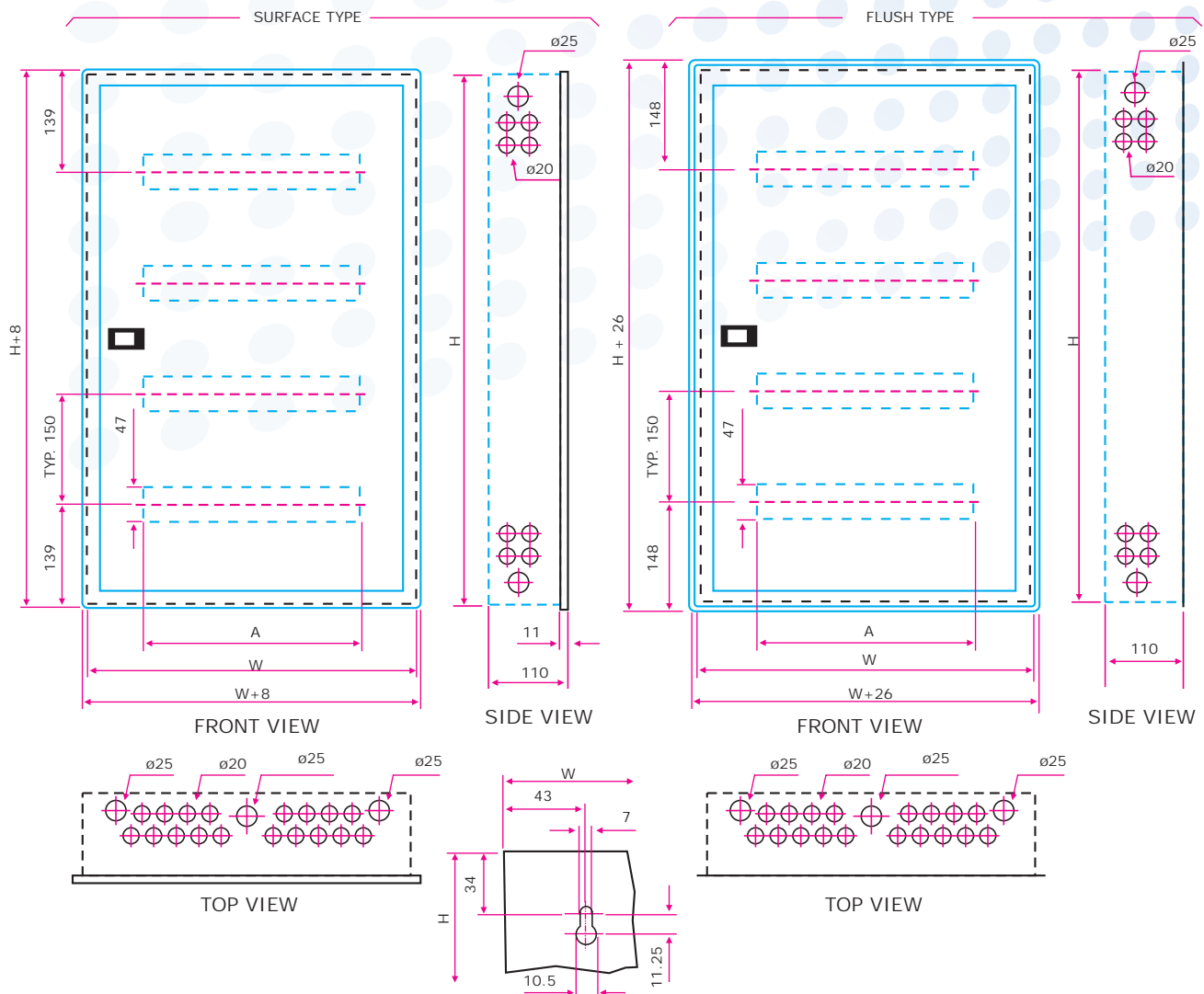
Surface Type					
Model	Rows	Ways	W	H	A
ME-CBD-16	1	16	400	270	288
ME-CBD-32	2	32	440	420	288
ME-CBD-48	3	48	440	570	288
ME-CBD-64	4	64	440	720	288
ME-CBD-80	5	80	440	870	288
ME-CBD-96	6	96	440	1020	288

Flush Type					
Model	Rows	Ways	W	H	A
ME-CBD-16F	1	16	400	270	288
ME-CBD-32F	2	32	440	420	288
ME-CBD-48F	3	48	440	570	288
ME-CBD-64F	4	64	440	720	288
ME-CBD-80F	5	80	440	870	288
ME-CBD-96F	6	96	440	1020	288

Consumer Distribution Board 24 Module

Surface Type					
Model	Rows	Ways	W	H	A
ME-CBD-24	1	24	585	270	430
ME-CBD-48	2	48	585	420	430
ME-CBD-72	3	72	585	570	430
ME-CBD-96	4	96	585	720	430
ME-CBD-120	5	120	585	870	430
ME-CBD-144	6	144	585	1020	430

Flush Type					
Model	Rows	Ways	W	H	A
ME-CBD-24F	1	24	585	270	430
ME-CBD-48F	2	48	585	420	430
ME-CBD-72F	3	72	585	570	430
ME-CBD-96F	4	96	585	720	430
ME-CBD-120F	5	120	585	870	430
ME-CBD-144F	6	144	585	1020	430



DETAIL OF FIXING HOLES (4 PLACES)
(TYPICAL FOR SURFACE / FLUSH TYPE)

NOTE : KNOCKOUTS ON SIDES ARE NOT APPLICABLE FOR 1, 2 & 3 ROWS

Metal-Clad Consumer Units (MCU) CKD Type

(COMPLETE KNOCK-DOWN)

CKD

The Surface type Metal-Clad Consumer Unit consists of 6 different sizes from ME-MCU-10 to ME-MCU-80 and the Flush type Metal-Clad Consumer Unit consists of 6 different sizes from ME-MCU-10F to ME-MCU-80F.

The Metal-Clad Consumer Unit is designed and manufactured in accordance with IEC 60439-1 standards. It serves as power receiving, feeding, metering and lighting in residential buildings. Our Metal-Clad Consumer Units are designed with complete Knock-Down (CKD) system which is easier for assembly, installation and wiring.

All Metal-Clad Consumer Unit are complete with Neutral link and earth bar. Opening for the cable entry can be arranged in top and bottom of the unit.

The following features ensures a clear overview

- ➔ Degree of protection IP 42
- ➔ Powder coated RAL 7035 (Grey)
- ➔ Reversible door for left/right opening.



Metal-Clad Consumer Units

Complete knock-down type consumer units



Door



Top Cover



Frame

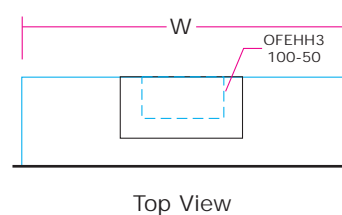
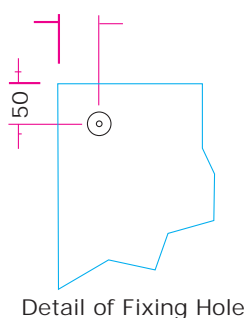
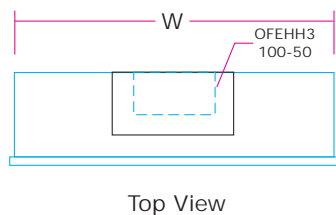
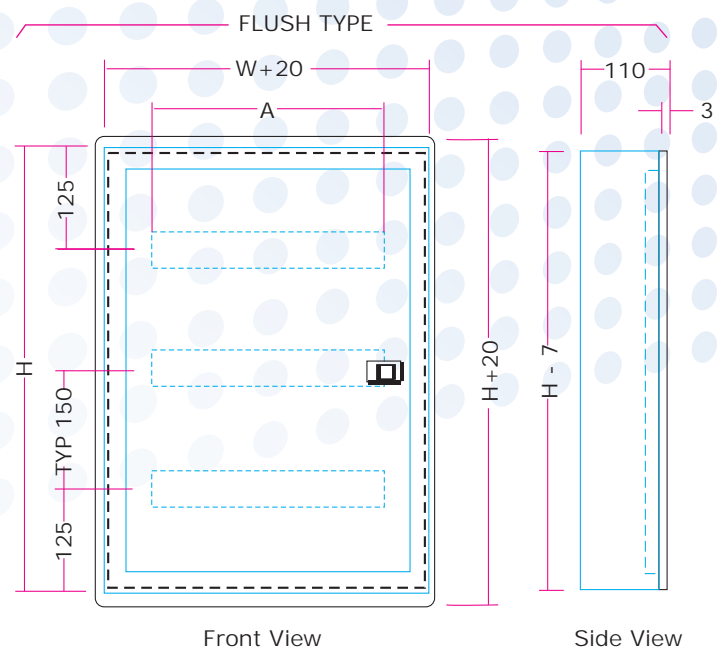
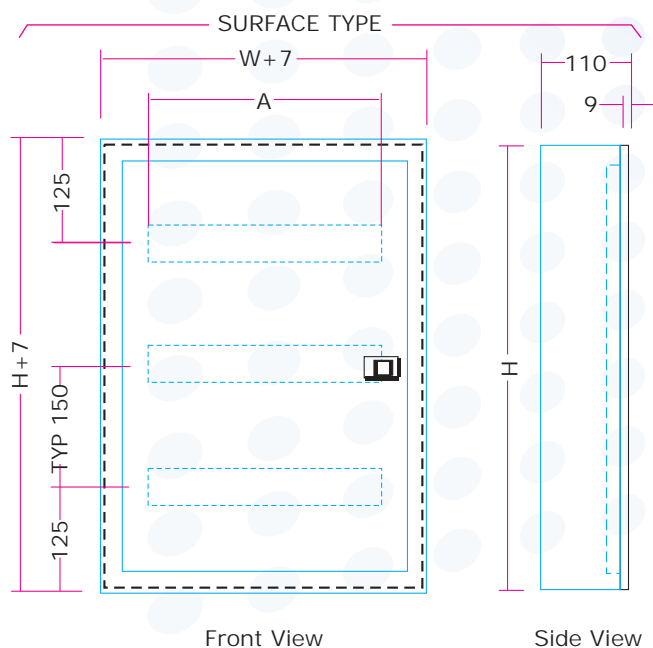


Base

Multi Row Din-Consumer Boards (CKD Form)

Surface Type					
Model	Rows	Ways	W	H	A
ME-MCU-10	1	10	300	250	180
ME-MCU-16	2	16	400	250	290
ME-MCU-32	3	32	400	400	290
ME-MCU-48	4	48	400	550	290
ME-MCU-64	5	64	400	700	290
ME-MCU-80	6	80	400	850	290

Flush Type					
Model	Rows	Ways	W	H	A
ME-MCU-10F	1	16	300	250	180
ME-MCU-16F	2	32	400	250	290
ME-MCU-32F	3	48	400	400	290
ME-MCU-48F	4	64	400	550	290
ME-MCU-64F	5	80	400	700	290
ME-MCU-80F	6	96	400	850	290



Outdoor Low Voltage 1600A Din Type Feeder Pillar

OUTDOOR LOW VOLTAGE 1600A DIN TYPE FEEDER PILLER

VNS Outdoor Low Voltage Feeder Pillars is rated at 1600A in accordance to IEC requirements. This enclosure is designed and constructed for Outdoor applications with an Ingress Protection rating of IP54. This Feeder Pillar is widely used in the Utilities industry specifically in the regional markets. The fuse bases are rigidly mounted on Hard Drawn Tinned Copper Busbar of specified ratings.

This cabinet is secured by a padlock system. Customized locking system to prevent unauthorized accost can be designed to meet its specific requirements and conditions. The unique clamping system for cables access and can accommodate up to 300mmsq 4C XLPE cables.



Features

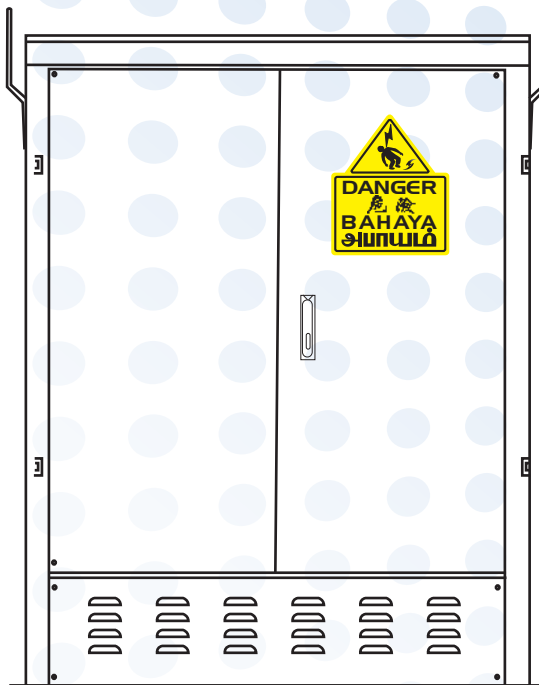
Certified to IP54 accordance to IEC 60529 standards Suitable for outdoor environment Fully Type Tested Busbar Systems with DIN type Fuse Rails Secured by Padlock able System The flexible colour combination to suit its environment

Technical Specification

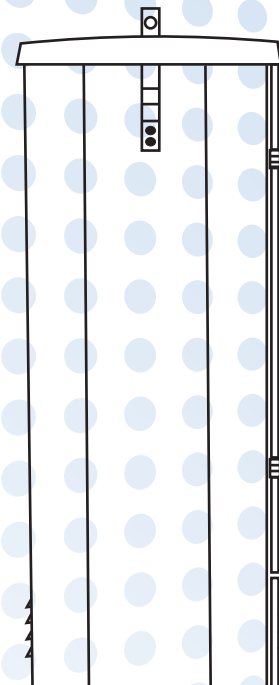
Material : Electro-galvanised sheet steel c/w
Electrostatic Powder Coating
Colour : RAL 7032
Dimension : 1300mmW x 1500mm H x 500mm D
IP Rating : IP 54
Standard : BS 88

Outdoor Low Voltage Din Type Feeder Pillar

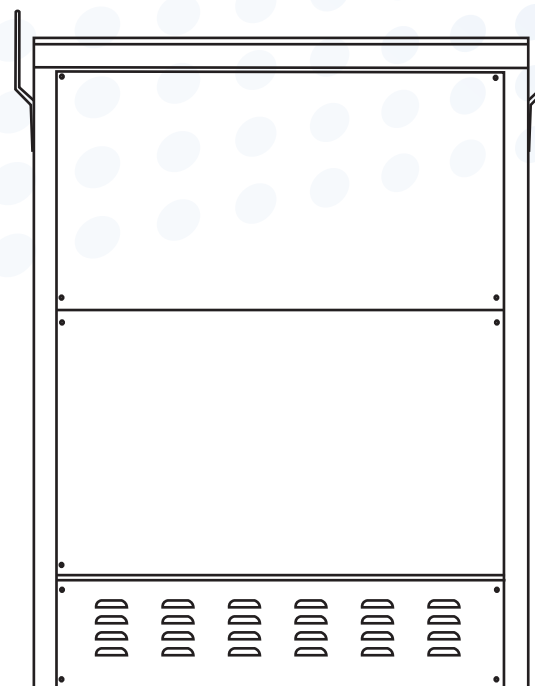
FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW



SIZE OF FEEDER PILLAR :
1300 (W) X 1500 (H) X 500 (D)

Our Manufacturing Range



Virgo 20 Concealed consumer Unit
(Flush Type)



Virgo 12 consumer Unit
(Surface Type)



Electrical Meter Box
(Surface Type)



Virgo 18 Consumer Unit
(Surface Type)

Polycarbonate Enclosures

Our Manufacturing Range



Our Manufacturing Range



Our Manufacturing Range



L.V. Main Switchboard
(Form 3 & 4)



L.V. Main Switchboard with Emergency Main Switchboard
(Form 3 & 4)



Internal View



Rear View

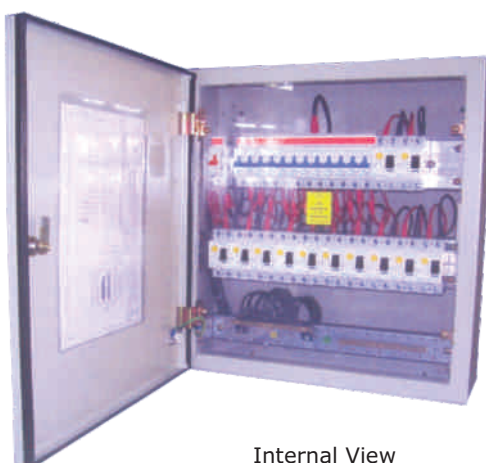
Capacitor Bank

Our Manufacturing Range



MCC PANEL SWITCHBOARD (Form 3 & 4)

AMF PANEL SWITCHBOARD (Form 3 & 4)



Distribution Board (Wall Mounted)

Internal View

Our Manufacturing Range



Metering Panel




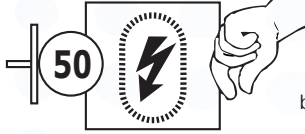
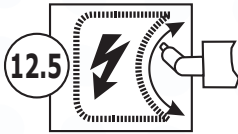


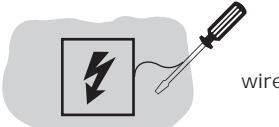
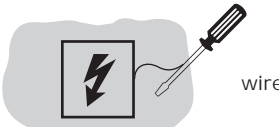
Custom Made Panels

Ingres Protection (IP) Details

IP CODES






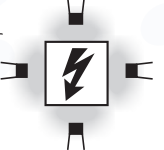
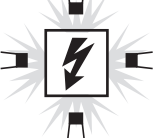
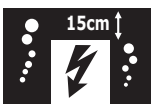

- First numeral
- Second numeral
- Additional Letter

FIRST NUMERAL

Protection against harmful ingress of water		Meaning protection of persons against access to hazardous parts with :	
IP	Requirements	Example	
0	no protection		no protection provided
1	full penetration of 50.0 mm diameter sphere not allowed and shall have adequate clearance from hazardous parts. Contact with hazardous parts not permitted.		back of hand
2	full penetration of 12.5 mm diameter sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts.		finger
3	the access probe of 2.5 mm diameter shall not penetrate		tool
4	the access probe of 1.0 mm diameter shall not penetrate		wire
5	limited ingress of dust permitted (no harmful deposit, refer to standard)		wire
6	totally protected against ingress of dust		wire

Ingres Protection (IP) Details

SECOND NUMERAL

Protection against harmful ingress of water			Meaning for protection from ingress of water :
IP	Requirements	Example	
0	no protection		no protection provided
1	protected against vertically falling drops of water		vertically dripping
2	protected against vertically falling drops of water with enclosure tilted 15° from the vertical.		Enclosure tilted 15° from the vertical
3	protected against sprays to 60° from the vertical.		limited spraying
4	Protected against water splashed from all directions.		splashing from all directions
5	Protected against low pressure jets of water from all directions.		hosing jets from all directions.
6	Protected against strong jets of water		strong hosing jets from all directions
7	Protected against the effects of immersion between 15.0 cm and 1.0 m		temporary immersion
8	Protected against longer periods of immersion under pressure		immersion

ADDITIONAL LETTER

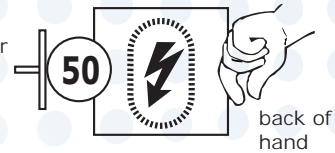
(Optional)

Meaning protection of persons against access to hazardous parts with :

IP Requirements Example

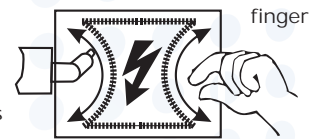
A
For use with first numerals 0

penetration of 50.0mm diameter sphere up to guard face must not contact hazardous parts.



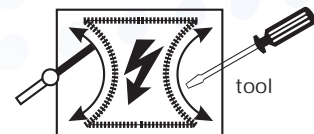
B
For use with first numerals 0 & 1

test finger penetration to a maximum of 80.0mm must not contact hazardous parts



C
For use with first numerals 0, 1 & 2

wire of 2.5mm diameter x 100.0mm long must not contact hazardous parts when spherical stop face is partially entered



D
For use with first numerals 0, 1, 2 & 3

wire of 1.0mm diameter x 100.0mm long must not contact hazardous parts when spherical stop face is partially entered



Limited penetration allowed with X1, X2, X3, X4, X5 and all four additional letters. Refer to standard

