

19"

Rack Panel

• **Alcosy** • **Fecosy**



RTU Indoor Panel



Communication Outdoor Panel

Model for Defense / Mobile Application : 12U to 36U

Model for General Application : 12U to 48U

19" Rack Panel

Alcosy

Aluminium Construction System



Racks for Defense / Mobile Applications

CONSTRUCTION

IEC 297 covers the scope of construction of racks and enclosures for applications based on 19" (482.6cm) practice. 19" signifies the width of the housing. These based on a standard height module of 44.45mm, which is designated by U.

We at Pyrotech have developed a range of components numbering over 200 for construction of 19" panels with round and square frame construction both.

The most important one is minimum clear opening of 450mm, center to center distance of 465mm and panel space of 485mm has to be maintained. The difficulties in locally drilling members to such close tolerances are avoided by the use of pre drilled members, behind which tapped strips are fitted.

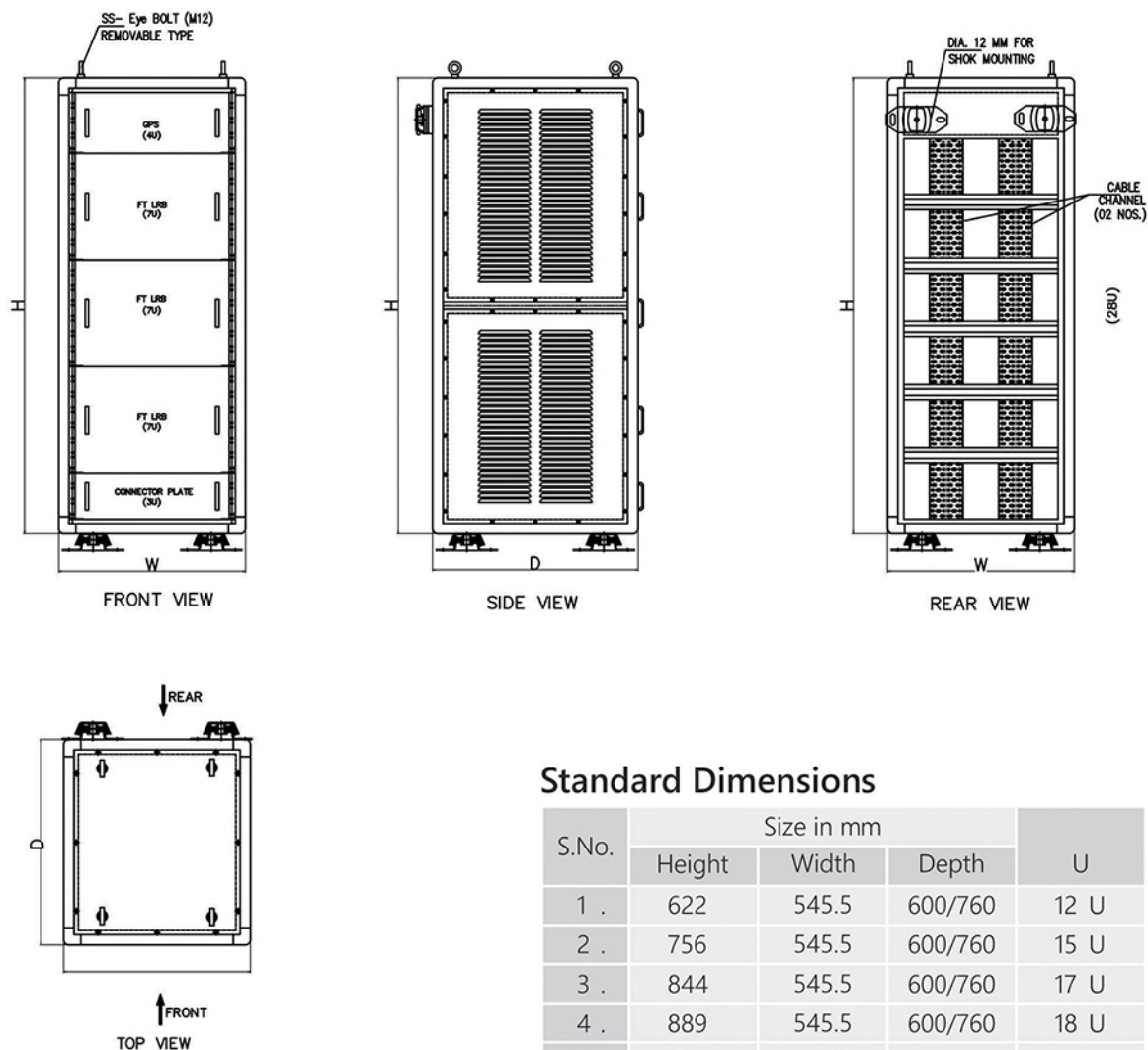
Our 19" racks have been tested for the above tests as per JSS 55555 (by our customers). Our 19" racks suitable for defense / navy mobile applications.

TYPE OF RACKS

Our 19" type racks are specified in terms of 12U, 15U, 18U, 22U, 24U, 26U, 30U, 32U, 34U, 36U and up to 48U any other sizes are also available as per customer requirement.

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Standard Dimensions

S.No.	Size in mm			U
	Height	Width	Depth	
1 .	622	545.5	600/760	12 U
2 .	756	545.5	600/760	15 U
3 .	844	545.5	600/760	17 U
4 .	889	545.5	600/760	18 U
5 .	978	545.5	600/760	20 U
6 .	1067	545.5	600/760	22 U
7 .	1156	545.5	600/760	24 U
8 .	1244	545.5	600/760	26 U
9 .	1333	545.5	600/760	28 U
10.	1422	545.5	600/760	30 U
11.	1511	545.5	600/760	32 U
12.	1556	545.5	600/760	33 U
13.	1600	545.5	600/760	34 U
14.	1689	545.5	600/760	36 U

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Product Accessories :

- Shock mounts.
- Telescopic slide.
- Cable retractors.
- Cable channels.
- EMI/EMC Gaskets.
- EMI/EMC Exhaust/Inlet modules.
- Die casted collapsable handles.
- Hardwares of SS-316/304 grade
- LRU supporting angle
- Slide mounting bracket
- Perforated cable channel
- Earthing kit



Other Variants



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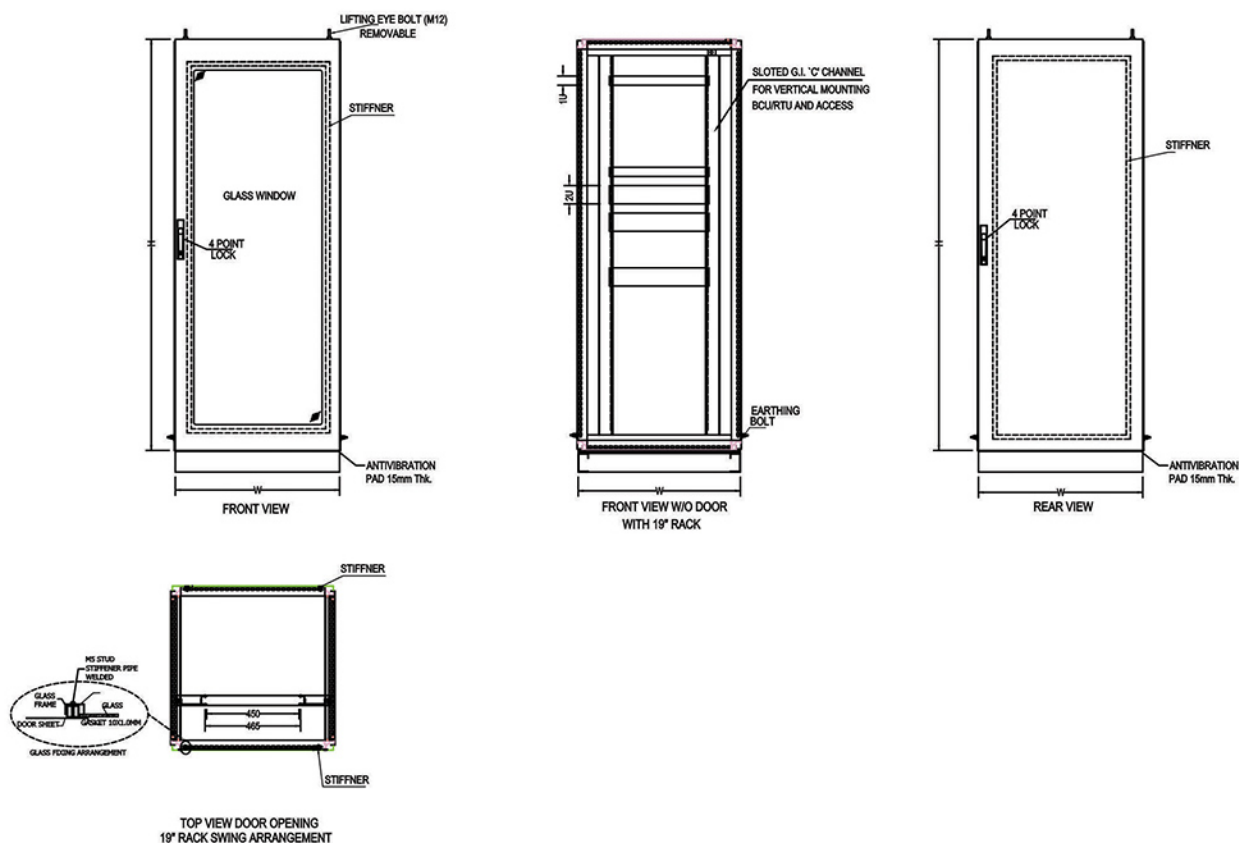
Aluminium Construction System



19" Rack Panel

Fecosy

Ferrous Construction System



Standard Dimensions

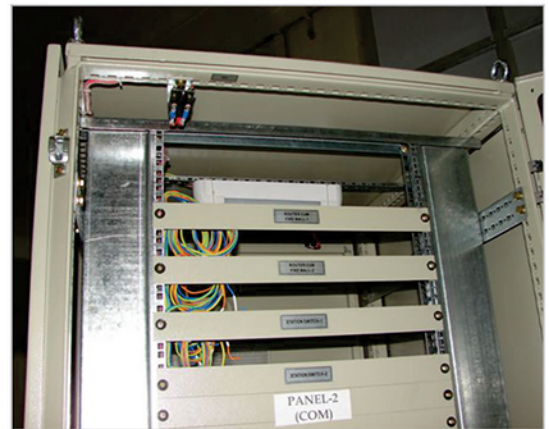
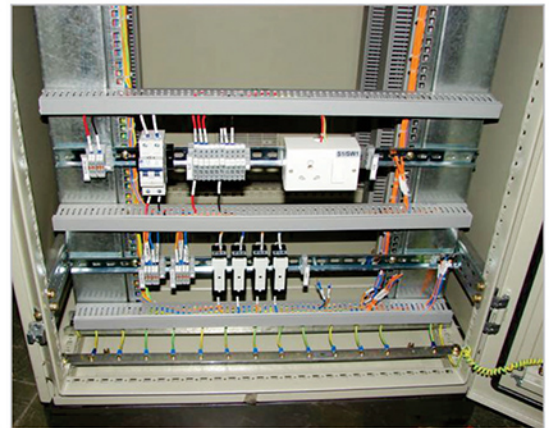
S.No.	Product Part No.	Size in mm			
		Height	Width	Depth	U
1.	050S01	1000	800	800	18
2.	050S02	1200	800	800	22
3.	050S03	1400	800	800	29
4.	050S04	1600	800	800	33
5.	050S05	1800	800	800	38
6.	050S06	2000	800	800	42
7.	050S07	2200	800	800	47

Fecosy

Ferrous Construction System



Internal View



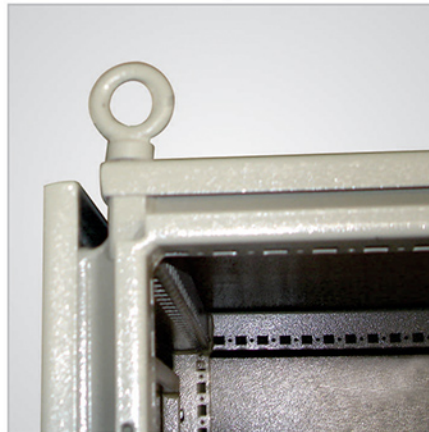
19" Rack Panel

Fecosy Ferrous Construction System

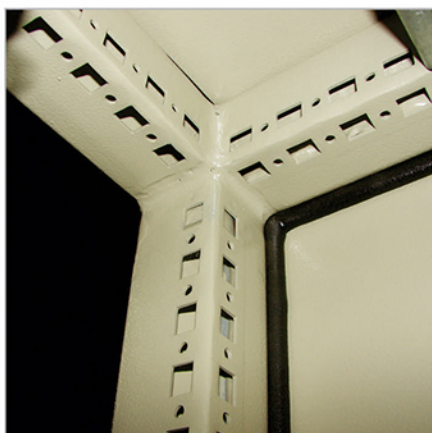
D-type Gasket



Corner Block & Lifting Hook



Internal View



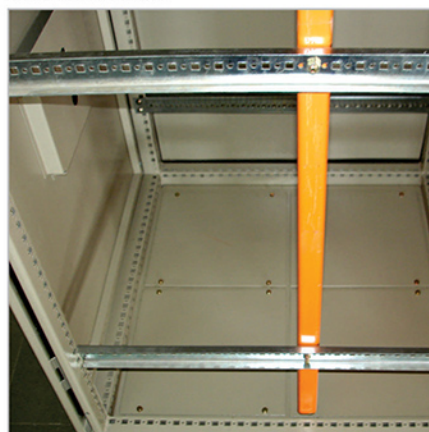
Adjustable Mounting Rail for Flexibility



Louvers



Internal Racks



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Ferrous Construction System

Swing Frame



The swing frame facilitates the accommodation of a wide range of 482.6 mm (19") components up to a weight load of 350 kg. By swinging it out, access may be gained to the rear of the equipment and its cabling at any time. At the side, the swing frame has a trim panel with integral handle strip and two-point locking bar.

A semi-cylinder lock can be achieved by using the Ergoform-S handle system. Several openings in the trim panel permit convenient cable routing from the rear of the swing frame in the front section. The openings may also be optionally top mounted with standard commercially available plastic cable ducts.

An additional vertical row of holes integrated into the trim panel facilitates vertical and horizontal cable routing via cable shunting rings. Installation is only possible in the form of full enclosure installation. The installation position may be varied in the enclosure depth.

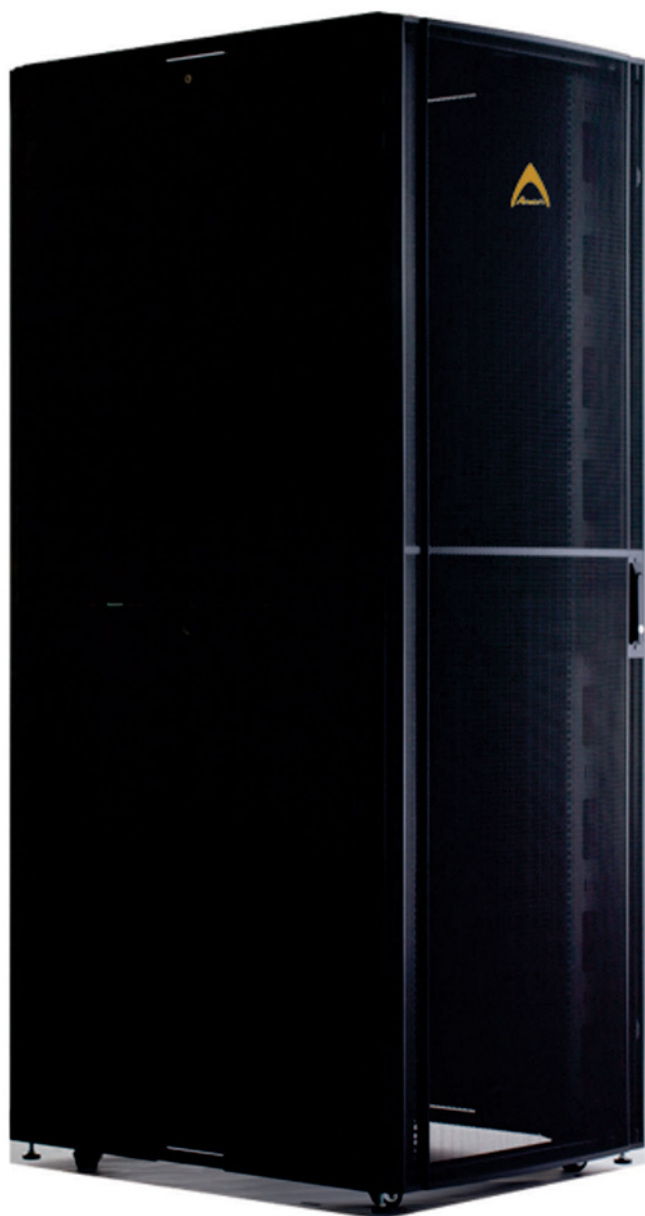
ADVANTAGES

- Exceptionally variable construction system.
- Nearly all special requests can be incorporated.
- No separate framework is needed, as it is integrated into the existing mounting rail system.
- Corrosion-resistant 19" swing frame fabricated of bright.
- Intermediate sizes, special heights and widths are available.

FEATURES

- Low distortion, welded construction.
- Infinitely variable in height.
- Locked by double spade bit style key and lock.

19" Rack Panel



Server Cabinet

Product Information



Vendor neutral and highly versatile 19" Rack provides quality solutions for a wide variety of IT and Data Center Applications.

FEATURES

- 1200 Kg. Static Load Rated.
- Overall height on casters just under 2.00 meters.
- Contoured high density perforated door provides over 1,000 square inches that open area exceeding major IT equipment air flow requirements.
- Light weight and strong.
- Net Weight (including casters) 98 Kg.
- Split level side panels provide convenient access to installed equipment.
- Depth adjustable 19" vertical mounting rails in 5mm increments.
- "U" numbers printed on 19" rails.
- Knock down design for efficient shipping, 128 sets per 40' container.
- Quick assembly time, approximately 25 minutes.
- Quick release, field reversible single piece or split doors.

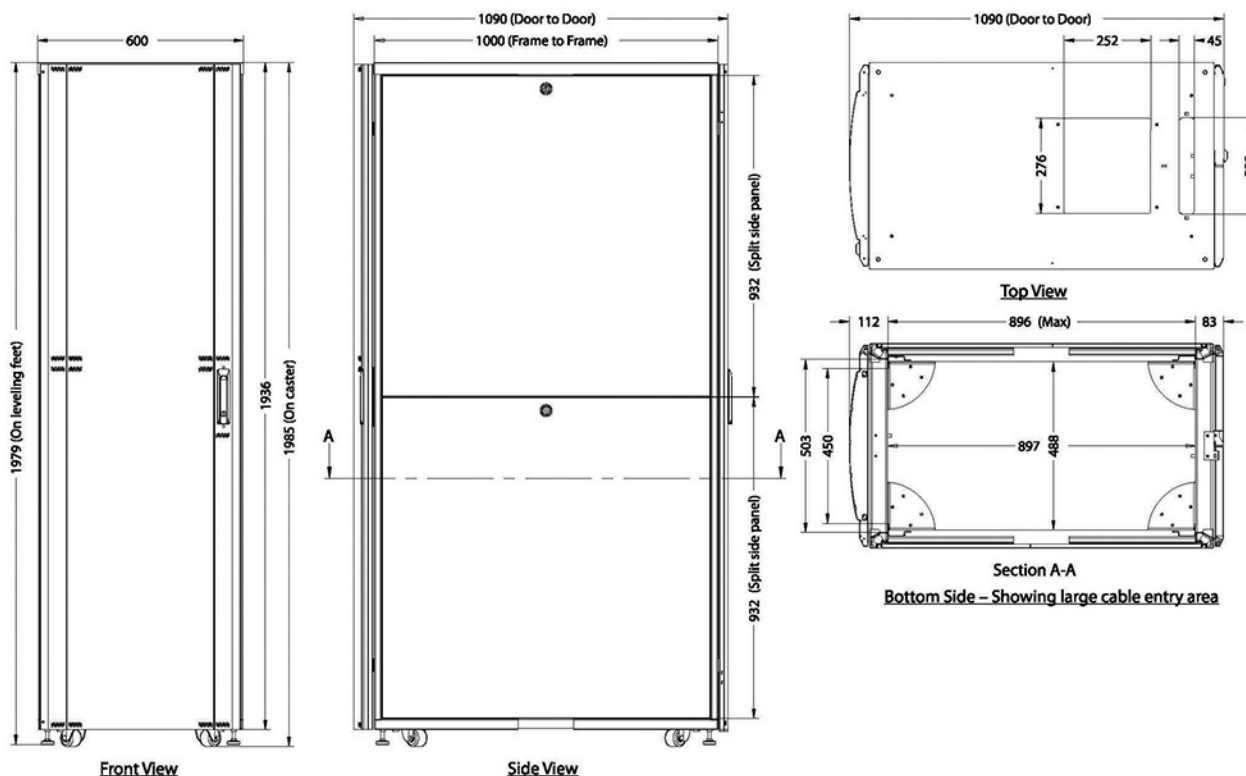
Dimensions and Ratings

All figures based on assembled cabinet including doors and casters

Overall Width	600 mm (23.6")
Overall Height	1985 mm (78")
Overall Depth	1090 mm (43")
Internal Height	42 U
Net Weight	98 Kg. (216 Lbs)
Normal Static Load	1000 Kg. (2200 Lbs)
Enhanced Static Load	1200 Kg. (2640 Lbs - requires addition of middle side brace)
Casters Dynamic Load	295 Kg. (640 Lbs)/wheel
Door Opening Radius	120 Degree
Front Door Total Open Area	1,008 sq. inches
Split rear doors total open area	1,030 sq. inches
Perforation Pattern	71%
Packing - Knock down bulk pack / Quantity per standard 40 foot container	128 sets
Assembly Quantity	32 sets
Estimated Assembly Time	25 minutes

Standards and Materials

- Dimensions conform to EIA-31-E, IEC-60297-2.
- Five stage iron-phosphate pre-treatment with textured powder coat finish, tested to 500 hours salt spray under ASTM-D6 10-01 and ASTM B117.
- Available in low gloss textured black or platinum.
- Premium grade Hot and Cold rolled steel sheet.
- Designed and Manufactured under ISO 9001:2008.
- All materials RoHS compliant.



Our Product Range

- | | | | |
|---|---|--|---|
| <ul style="list-style-type: none"> • Shelter • Mosaic Desk • Console Desk • Bare Panel IP-65 • PLC Panel • Mosaic Minic Panel • Local Control Station • FRP Box | <ul style="list-style-type: none"> • LIE - LIR • Power Distribution Box • Purge & Ex-proof • Acrylic Mimic • NG / LAVT Cubicle • Generator Control Panel • MCC / PCC • CT Box | <ul style="list-style-type: none"> • Synchronization Panel • HT Panel • Large Video Screen • Networking Panel • Bare Panel IP-55 • Junction Box • Control & Relay Panels • Alcosy Control Desk | <ul style="list-style-type: none"> • Metering Panel • Metering Box • Marshalling Panels • EMI/RFI Compliant Panel • Universal Test Bench • Push Button Station • 19" Racks • Control Room Interiors |
|---|---|--|---|



PYROTECH ELECTRONICS PVT. LTD. - UNIT II



SOLAR PLANT



PYROTECH ELECTRONICS PVT. LTD. - UNIT IV

Pyrotech Electronics Pvt. Ltd was established in 1976 at Udaipur, Rajasthan having more than 35 years experience in Turnkey control room interiors, Mosaic Panels & Desks, Control Panels & Desks, other Industrial Panels, Junction Boxes & Racks and more than 10 years experience of Supply, Installation & Commissioning in video wall market. We have our reach to the Power, Energy G/D/T, Oil & Gas, Metal, Transport, Defense & Cement industries etc. .



www.pyrotechindia.com

An ISO 9001, EMS 14001, OHSAS 18001 Company

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