19" RACK ENCLOSURE

DESCRIPTION

The EM-S equipment rack is a highly durable and flexible, standard 19" enclosure for ATEIS PAVA processors, amplifiers and power supply units.

The modular design of the rack enables flexible assembly and mounting of devices according to various project and on-site requirements. EM-S racks are available as standard 19" enclosures with 600mm depth. The height of the assembled rack with equipment can vary from 18U to 42U rack units (31.5 to 73.5 inches).

The rack manufactured out of cold rolled steel (SPCC grade) has a highly sturdy, welded structure, which provides reliable support with a static loading capacity of 500 kg. A powder coat finishing gives the rack surface a rich texture. Adjustable casters at the bottom of the rack cabinet enable convenient relocation and installation of the rack. The rack cabinet can be secured in place by a fixing mechanism behind the casters.

The front, rear and side panels are easily removable to allow installation and wiring of equipment in the enclosure. Removable panels provide easy access to the equipment for maintenance and repair.

The front door is made of tempered glass, which provides the strength and thermal resistance for installation of the rack in tough environments. Vented edges at the front panel and a vented rear door allow sufficient air intake and ventilation to the rack enclosure.

The top panel is attached with an exhaust fan to expel hot air from the rack enclosure while simultaneously protecting the equipment from foreign objects. This prevents excess heat from degrading the performance of the electronic equipment in the rack enclosure.

The bottom panel provides complete protection against rodents and insects from entry into the enclosure. There is provision for cable entry from both the top and bottom panels. Rack shelves, rails and other accessories can be mounted as per requirements.

The rack unit complies with international standards for basic dimensions of rack cabinets and suits, and mounting conditions, such as ANSI/EIA RS-310-D; DIN41491; DIN41494; IEC297-2; and GB/T3047.2-92.

The dimensions of the rack are also compliant with the European Telecommunication Standards Institute (ETSI) standards, which specify rack cabinets for telecom applications.
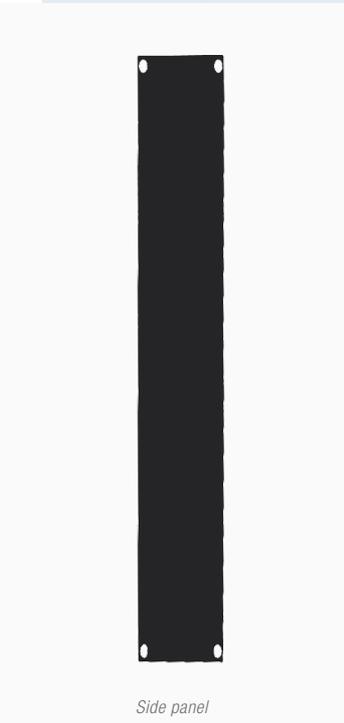
RACK ASSEMBLY

Power distribution unit (supplied with rack)
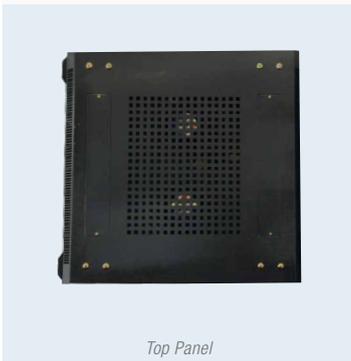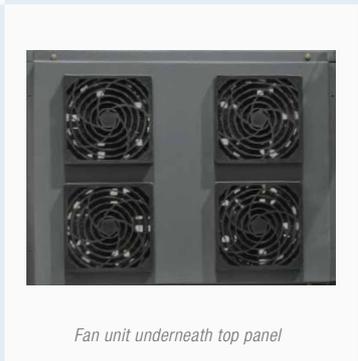

Front glass door

Single welded structure
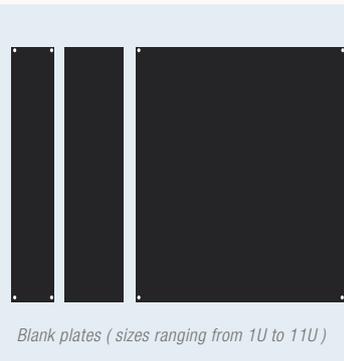

Side panel

Rear panel

Top Panel

Fan unit underneath top panel

Blank plates (sizes ranging from 1U to 11U)

Bottom panel with casters

RACK MODEL NO.

18U - 18U Rack (19" ; 600 mm deep) with accessories

22U - 22U Rack (19" ; 600 mm deep) with accessories

27U - 27U Rack (19" ; 600 mm deep) with accessories

32U - 32U Rack (19" ; 600 mm deep) with accessories

37U - 37U Rack (19" ; 600 mm deep) with accessories

42U - 42U Rack (19" ; 600 mm deep) with accessories

1 U = 1.75 inches (44.45mm)

BLANK PLATE/FILLER PANEL MODEL NO.

1U - 1U Steel Blank Panel (19")

2U - 2U Steel Blank Panel (19")

3U - 3U Steel Blank Panel (19")

9U - 9U Steel Blank Panel (19")

11U - 11U Steel Blank Panel (19")

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice
Ref. 19RACK/Ra/R1/V1/230817