



APW President Systems Ltd, India's leading enclosure company, is proud to introduce **IMPRESS**, the newest addition to its range of 19" cabinets. The **IMPRESS** family of enclosures offers unique features that are especially engineered to address the challenges faced by Datacenter Managers today. **IMPRESS** is based on an "Open Frame" concept that does away with the traditional vertical pillars at the four corners of the cabinet. This provides unmatched all-round accessibility that makes the installation of equipment, integration and cable management much easier than is possible with enclosures based on the conventional 4-Post design.

IMPRESS contains several other innovative and user friendly features that are path breaking and which will set the trend for future enclosure design.

Smart Features:

- ★ **Easy installation and integration of equipment**
 - possible as there are no structural pillars at the corners to obstruct access
- ★ **Clear space for equipment mounting at front**
 - 19" Panel Mount Angles can be recessed depth-wise at front and rear
- ★ **Split 19" Panel Mount Angles at the rear**
 - adjustable to suit equipment of different depths
- ★ **Front Loading Quarter Turn Cage Nuts**
 - the lack of access faced when installing rear loading cage nut is no longer a problem
- ★ **Total Security - no external access latches**
 - all side covers, top & bottom panels are internally secured. The release latches may only be accessed via the front and rear doors
- ★ **Cable Management**
 - entry ports with cable brushes at top and bottom make "gathering" of cable bunches into the frame quick and easy
- ★ **Display Panel**
 - multipurpose Display Panel built into the Top Cover. Displays temperatures, humidity level, Company Logo or programmed information

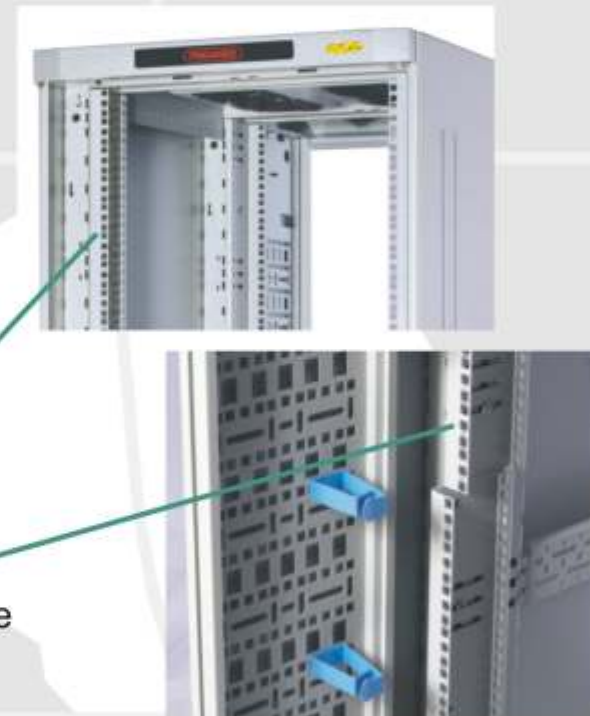
1 Display Panel

The IMPRESS Top Cover has inbuilt provision for an optional Display Panel. This facility can be customised for displaying back-lit Customer Logos. The centre of the Display Panel has provision for 14 characters of user-programmable scrolling text for rack identification, while a window at the right hand side provides 3-zone temperature and humidity read-outs.



2 Recessible Panel Mounts

19" Equipment Mounting Angles (Panel Mounts) at the front and rear of IMPRESS Cabinets are fully recessible along the depth. In addition, the 19" Panel Mounts at the rear are supplied as 3 split pairs. This makes it possible to adjust their positions independently to suit equipment of different depths, and also eliminates the need for additional shelves and support angles.



Front 19" Equipment Mounting angle

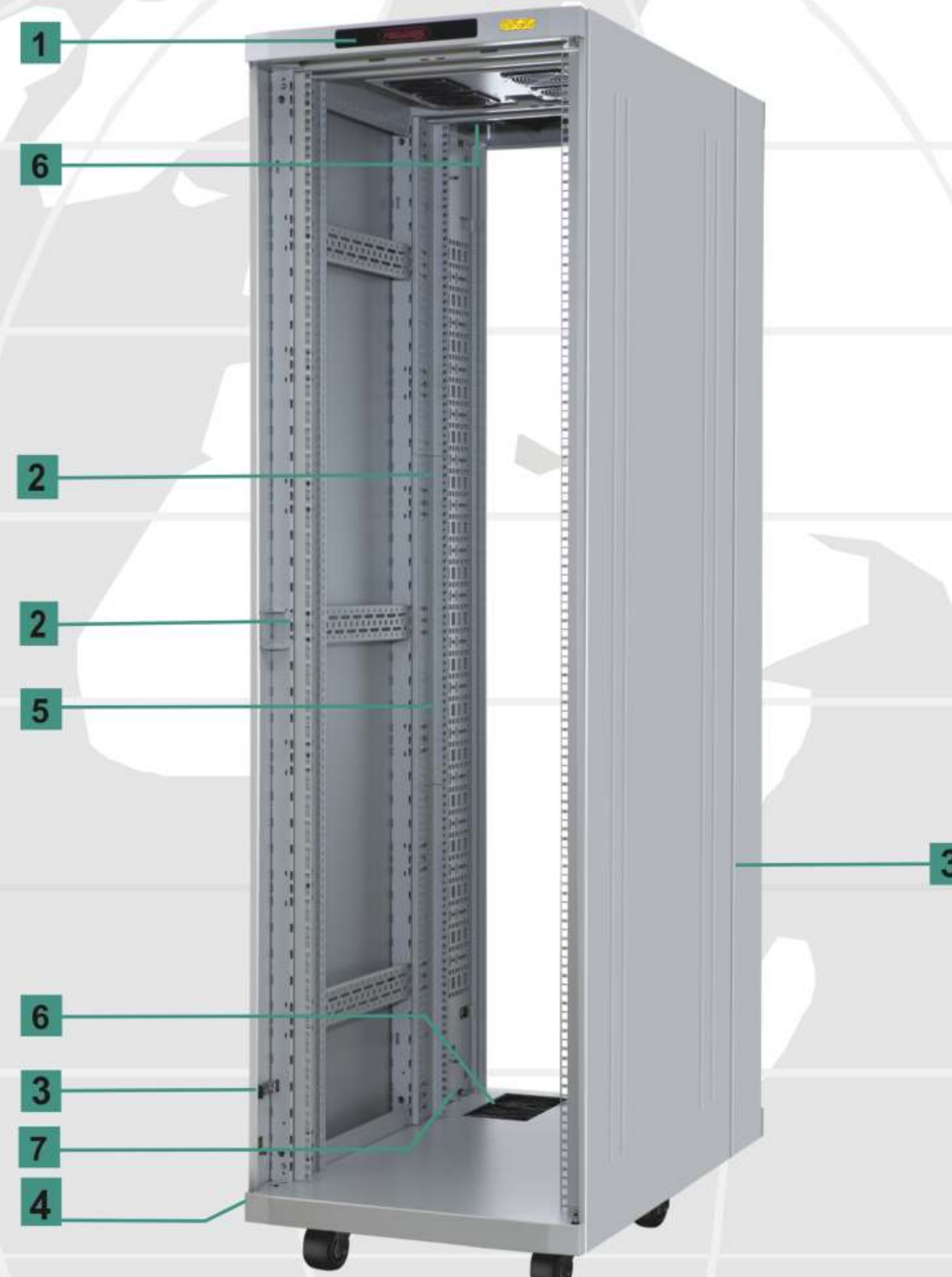
Rear 19" Equipment Mounting angle Split type

3 Secured Side Panels

IMPRESS Side Covers and Panels do not have release latches or fasteners on the outside. They can be removed only after releasing sliding latches that are on the inside of the cabinet. Access to these latches is possible only through the front and the rear doors - an important security feature. When unlatched the panels remain safely in position until manually lifted off and removed.

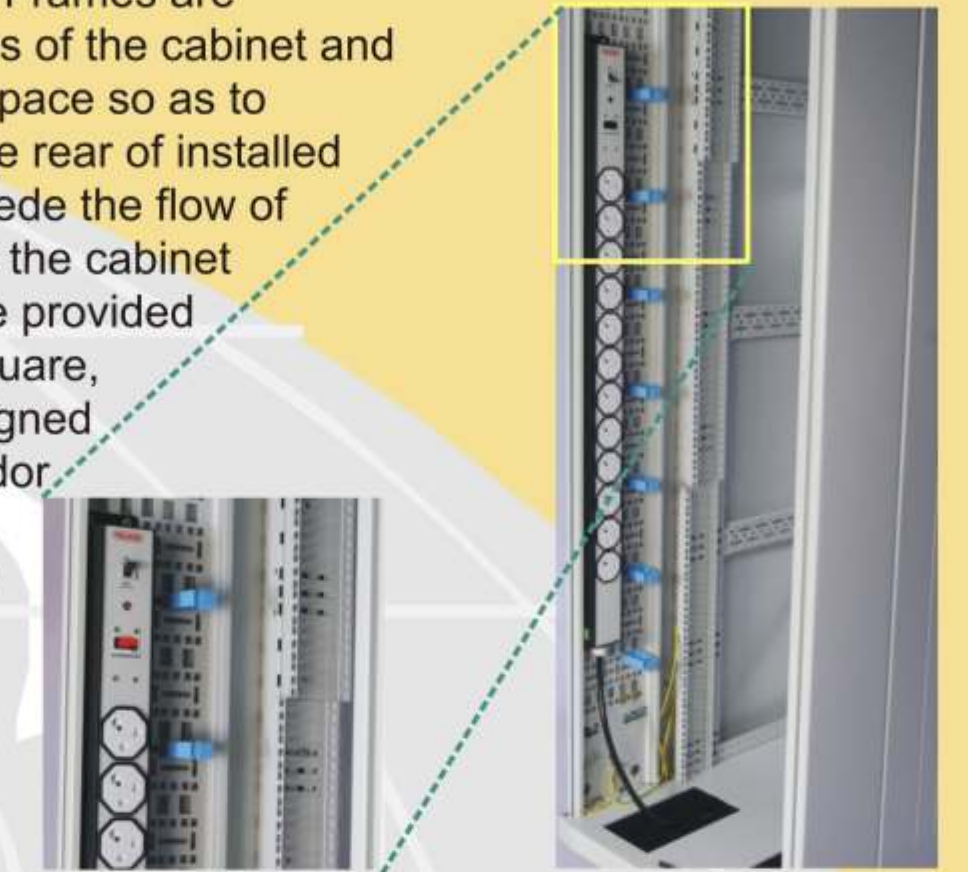


Tomorrows Solutions for Today's Data Centers



5 Accessory Mounting Frame

IMPRESS cabinets have a pair of Accessory Mounting Frames installed on either side at the rear. These full height Frames are positioned along the edges of the cabinet and outside of the active 19" space so as to provide clear access to the rear of installed equipment and not to impede the flow of warm exhaust air towards the cabinet rear door. The Frames are provided with a pattern of slots - square, round and elongated designed to accept a variety of vendor agnostic PDUs, cable channels and cable loops for the routing of cables and power distribution options.



6 Cable Entry Ports

The "Open Frame" construction of IMPRESS Cabinets makes it quick and easy to complete cabling tasks. Cables can be pre-installed at the Data center, either under-floor or from above. The cabinets can then be rolled into place and the cable bunches "gathered" into the frame all together, instead of being pulled in one at a time. The open-edged Top and Bottom Rear Covers are supplied with slide-in gland plates. Optional Cable Brush - lined ports make it possible to slide the Covers into place around the cable bunches to complete the cabling process.



7 Earthing

The IMPRESS Earthing Kit is especially designed to reduce the number of parts typically needed to provide earthing connections from the various panels and components to specific ground points in the cabinets. This not only leads to better quality connections but also reduces installation time. The connectivity is provided by means of a five-armed "Squid". Each of the five limbs of the Squid has a crimped earthing lead to connect it to a specific panel or component of the IMPRESS.



4 IMPRESS Doors

A variety of door options are available for IMPRESS cabinets - solid, fully perforated or glass - plus a choice of single width or dual doors. The fully perforated doors provide coverage of 100% of the active 19" equipment area, while the cell "opening" ratio is 75%. The use of dual, or split, doors at the rear reduces the space required for accessing the cabinets from the aisles. All doors feature President's new hinge design which make the tool-free installation and removal of doors extremely quick and simple.





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IMPRESS Cabling Frame

The IMPress Cabling Frame is a new concept being introduced with the IMPress family of cabinets that provides much better access and ease of installation for equipment integrators. Introduction of cable bunches into the cabinets is greatly simplified, thereby reducing installation times significantly.

Data Centres typically contain a combination of 600 and 800mm width cabinets. The 600mm wide cabinets are used for housing Servers, whereas the 800mm wide cabinets are configured for housing 19" rack-mount Networking equipment at the centre and the 100mm of additional space at either side is used for routing data cables. This practice



requires the ordering and stocking of two styles of cabinets, and can lead to a wasteful use of expensive data centre space.

The IMPress Cabling Frame makes it possible to combine both functions within a single cabinet of 600mm width that houses the Servers as well as the Network equipment. The Cabling Frame itself occupies just 200mm of floor space between adjoining cabinets and provides all the facilities needed for the orderly management, routing and distribution of cable bunches to either of the two adjacent cabinets. Any number of the IMPress Cabling Frames may be bayed alternately between IMPress cabinets.

Features :

- ★ High level of accessibility to the whole cabling area - results in ease of installation
- ★ All round Cable Entry options. Brush-lined entry ports at top & bottom to suit overhead or underfloor cabling
- ★ Complete flexibility for inter-rack cabling and for routing of cables from front-to-back or back-to-front
- ★ Full height Cabling Baskets at the center simplify structured cabling
- ★ Vertical Cable Channels at front & rear support dense cabling
- ★ Wire Hangers at 1U pitch along the front and rear support cable distribution to adjoining cabinets
- ★ Provision at front and rear to mount 6 - 9 Patch Panels
- ★ Can be installed after "cable pulling" has already been done at Data Centers



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