BERG

Our Innovation- Your Exceptional Performance

TABLE OF CONTENTS

ABOUT THE CABINET

In the past, a cabinet was just considered to be "metal box" providing a mounting structure into which the equipment was mounted. However, today the cabinet provides a level of system security, as well as being an integral part of achieving optimal system operating efficiency. It is important to configure the cabinet to match the operational demands of the equipment housed inside. By doing so, it helps to decrease operational costs and to avoid any potential threat of premature system failure.

The design is crucial in allowing installation and maintenance to be carried out in a far more efficient manner, which ultimately allows the tool to reduce the total cost of ownership during the lifetime of the cabinet. With a wide range of cabinets available, the customer now has the ability to construct a diverse range of internal configurations with allows both existing and next generation network components to be housed, irrespective of their mounting requirement.

InBERG Cabinet

- Optimized space utilization
- 85% ventilation rate of perforated door with hexagonal holes.
- Available for all kinds of network environments
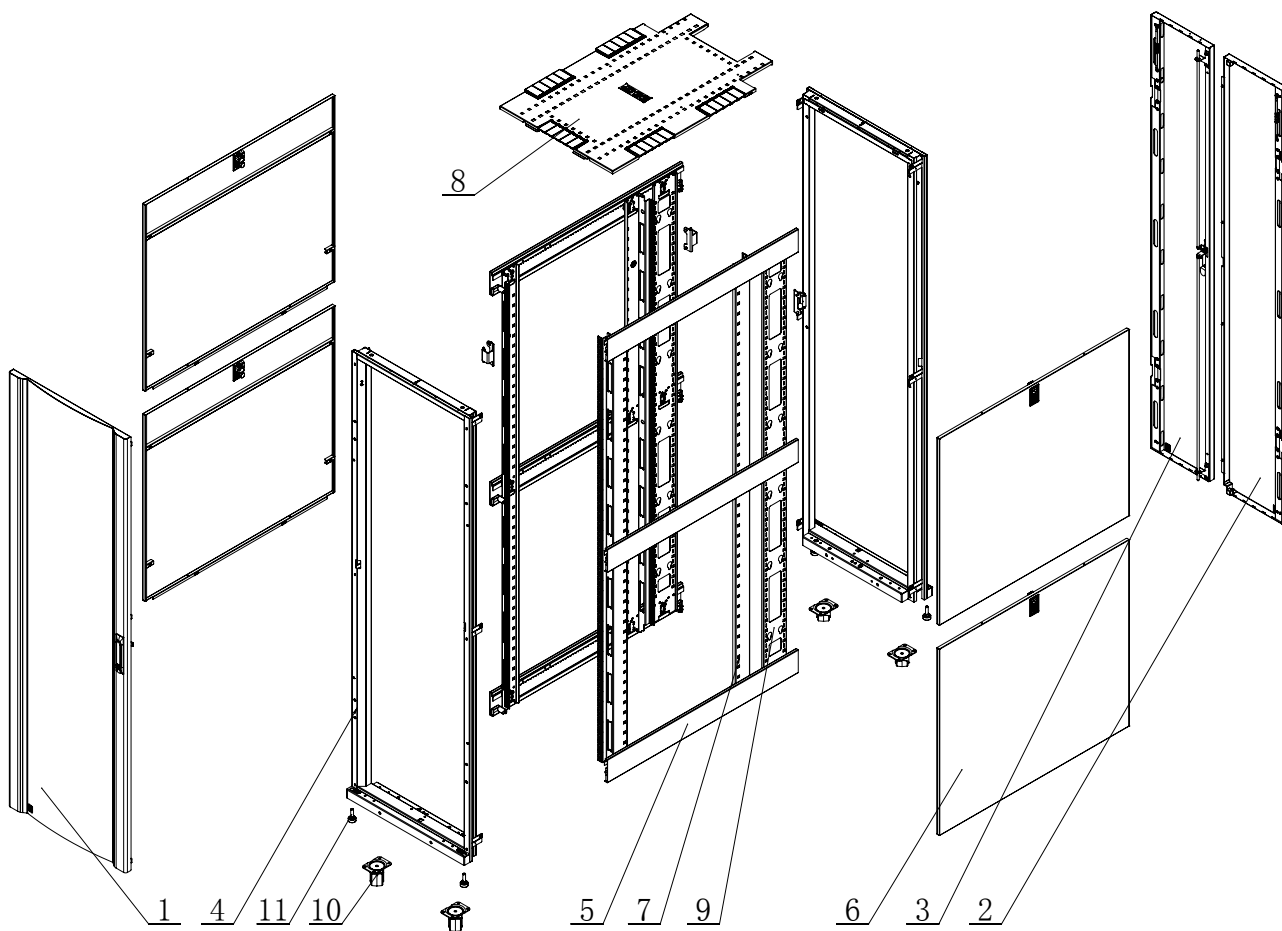- Modular solutions for easy installation

FEATURES

i.   Exquisite design with strong mechanical structure. Powder texture coating with metallic sheen.
ii. Doors can be switched between front and back, left and right.
iii. High density front door and rear doors with over 130 turning degree, easy for installation and maintenance.
iv. Vertical mounting rails with adjustable depths, compatible with any IT equipment.
v.   Top panels can be installed without any tools. Maximize the area available for cable entry into the enclosure while limiting dust and debris with brush strips.
vi. Flexible base design to maximize the cable entry.
vii. Optional sealed floor, toolless installation.
viii. Standard load-bearing casters, can be moved freely.
ix. Quickly adjustable by screwdrivers and wrenches.
x.   Split side panels, easy for transportation and disassembly.
xi. Easy and quick installation with good appearance.
xii. Two cable rings are installed in the backside of the cabinet for cable management and cabinet accessories installation.
xiii. Available for all the cabinets with EIA-310 standard.
xiv. Qualified by CE.

SAFETY

i.   Weight Capacity: 1500 Kg Static load, 1200 Kg dynamic load
ii.   Protection grade: IP 20
iii. Stable grounding between panels, doors and cabinets
iv.   Special grounding screw nut are reserved in the bottom and top for cabinet to stable grounding
v.   Integrated frame structure, easy and convenient for installation.
vi.   Firm cabinet fitted with adjustable leveling legs.
vii. Lockable front door, rear door and side panels.
viii. Rack height: 2000mm (not include castor)
ix.   Anti-vibration feature

MATERIAL

i.   Frame: 1.5mm cold rolled steel
ii. Mounting rails: 2.0mm cold rolled steel.
iii. Side panels:1.2mm cold rolled steel.
iv. Front doors: 1.5mm cold rolled steel
v.   Top panel: 1.2mm cold rolled steel.

DESIGN FEATURES

i.   Modular design with welded frames.
ii. Light weight with solid structure and flexible configuration
iii. Easy and quick installation with good appearance.
iv. Interchangeable front door and rear door with over 130 turning degree
v.   Full range of accessories available

Item	Name	Quantity (kit)
1	Front Door	1
2	Left Rear Door	1
3	Right Rear Door	1
4	Frame	2
5	Side Brace	6
6	Side Panel	4
7	PMA	4
8	Top Panel	1
9	RCC	2
10	Casters	4
11	Leveling Leg	4

ADVANTAGES

i. **Hexagonal hole of perforated door with 85% ventilation rate**
- Perforated doors with high ventilation.
- Apply to multiple cooling scheme.
- Available for data centers with any density.

ii. **Removable hinge system**
- Easy to disassemble doors.
- Interchangeable front door and rear door

iii. **Vertical mounting racks and rack beam design.**
- Adjust depths without any tool.
- Effectively sealed between front door and frame.
- Grounding system conduction
- Heavy load-bearing

iv. **Removable top structure.**
- Easy to disassemble.
- Interchangeable roof plate from front and back

v. **Gounding wire system connected by terminals for front door and rear door.**
- Easy to remove front door and rear door by removing the terminals.

vi. **Buffer Design**
- Abrasion resistance and noise elimination when installing doors and side panels

ADVANTAGES

vii. **Split side panels**
- Easy to remove
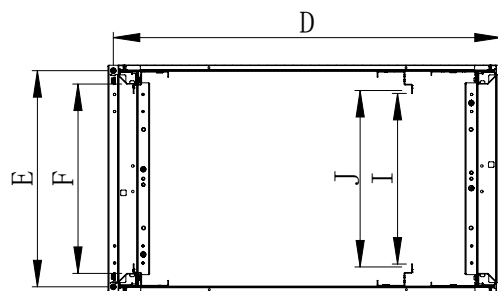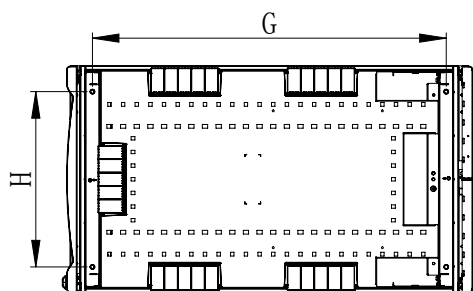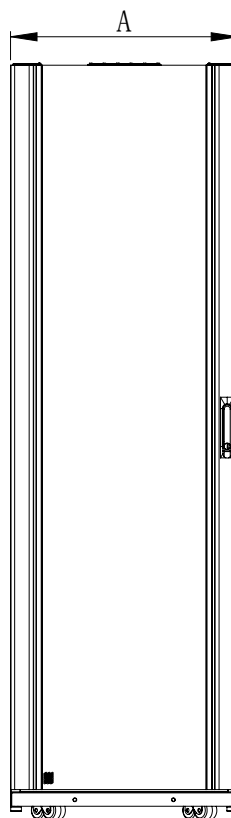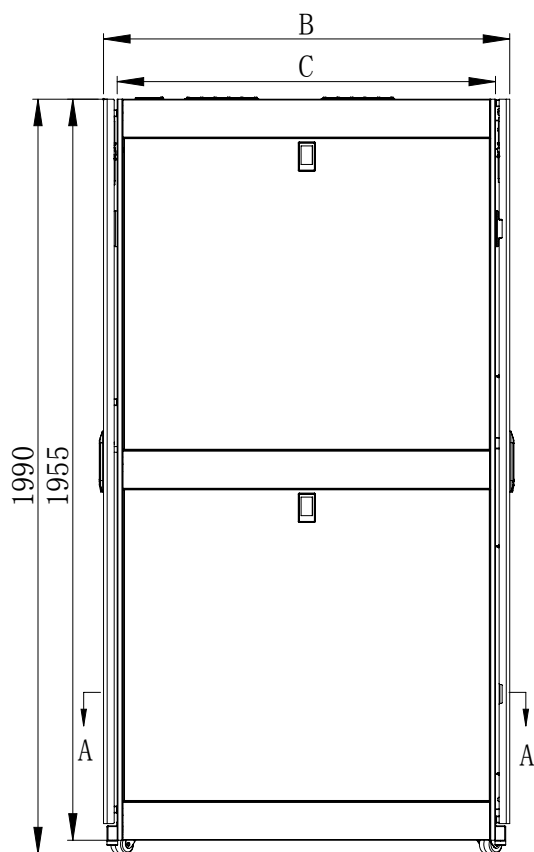
viii. **Anti-shock brackets**
- Prevent any movements during transportations.

ix. **Customized leveling legs**
- Adjustable from top, bottom and side. Easy to install and suitable for field use

x. **Heavy-duty casters installation.**
- Can be fixed within the cabinet framework.

SPECIFICATIONS

Part Number	Dimensions										
	A	B	C	D	E	F	G	H	I	J	Height
	Width	Depth	Frame	"Leveling Leg (front to back)"	"Leveling Leg (left to right)"	Frame (inside)	"Eyebolt (front to back)"	"Eyebolt (left to right)"	PMA (inside)	PMA (hole center)	
IRN6087x	600	875	805	830	570	500	740	462	450	465	x
IRN6010x	600	1000	930	955	570	500	865	462	450	465	x
IRN8087x	800	875	805	830	770	700	740	462	450	465	x
IRN8010x	800	1000	930	955	770	700	865	462	450	465	x

suffix -x   A = 37U   B = 42U   C = 45U   D = 47U

CABLE MANAGEMENT SOLUTION FOR OPTICAL FIBER

- With the high demand of optical fibers nowadays, a good cable management system is needed in order to manage excess length of optical fibers and bending radius protection.
- With the width of 800mm, there are the following features:

FINGER GUIDE

A set yellow finger guide mounted along the cabinet, it provides the features of bending radius protection. Each RU of length, there is finger guide, which protects the optical fiber after terminating at the patch panels. Each finger guide can handle not less than 48 fiber patch cords with the size of 2mm diameter.

STORAGE POOL

A set of storage pools located at the left of the cabinet, it provides the facility to store the excess fiber patch cords. Whatsoever in Cross-connection or Inter-connection, there will be a certain length of excess optical fibers left in the cabinet, the storage pool is a facility to store those excess fiber patch cords.
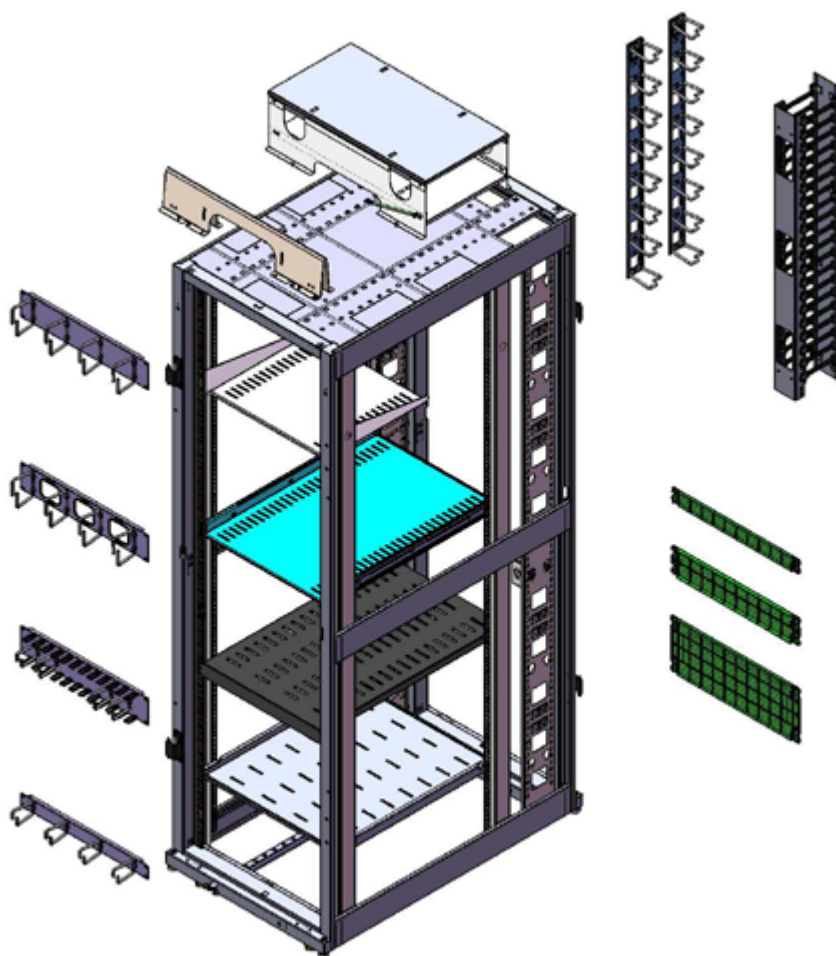

CABLE TROUGH

Cable trough is located at the bottom of the cabinet, It has got the height of 4ru high. It is a runway that allows fiber patch cords running from left to right or right to left. One of the practices is allowing excess fiber patch cords to run along, and then hang on the storage pools.

InBERG RACKMATE ACCESSORIES

i.   Compatible to various cabinet/rack system
ii. Various accessories to provide the best cable management system

Part No.	Description
IRN-SPA	Side Panel (37U)
IRN-SPB	Side Panel (42U)
IRN-SPC	Side Panel (45U)
IRN-SPD	Side Panel (47U)
IRN-DR01	Tempered Glass Door
IRN-DR02	Full Perforated Door
IRN-DR03	Split Perforated Door
IRN-SF20	Fixed Shelf (support up to 20kg)
IRN-SF50	Sliding Shelf (support up to 50kg)
IRN-SF100	Fixed Shelf (support up to 100kg)
IRN-SF150	Fixed Shelf (support up to 150kg)
IRN-FANH1	Fans mount horizontally
IRN-FANV1	Fans mount vertically
IRN-CEM	Clean Earth Module
IRN-MMSPA	Patch Cord Storage Pool (37U)
IRN-MMSPB	Patch Cord Storage Pool (42U)
IRN-MMSPC	Patch Cord Storage Pool (45U)
IRN-MMSPD	Patch Cord Storage Pool (47U)
IRN-MMFG4	Finger Guide (4U)
IRN-MMCT4	Cable Tray (4U)
IRN-VR18	Vertical Cable Ring (18U)

CONTACT INFO

Germany Address:
Maximilianstrasse 35a, 80539 Munich
Phone: +49 89 420958049

Hong Kong Address:
Suite 813-814, Cyberport 1,
100 Cyberport Rd,
Hong Kong

Tel: (852) 2562 2185
Fax: (852) 2566 6085
Email: info@inberg.com
Website: http://www.inberg.com

- Efficiency
- Enviromental
- Innovation
- Reliability
- Security

nBERG

Our Innovation- Your Exceptional Performance