



ULTRARACK

Advanced Data Centre Enclosures

SR SERIES



Designed for scaleable growth

The SR Series

ULTRARACK SR Series - Universal rack enclosure solutions for advanced storage, cooling, power distribution, cable management and security in data centres and network rooms.

Designed to accommodate today's powerful computing hardware and scaleable to cater for emerging high end blade server and equipment technologies that are rapidly appearing over the horizon - the world and the data centre environment is changing and a new generation of rack enclosure solutions is born for this change - it is the SR Series.

► 600mm Wide



Universal Storage

The SR Series rack provides an ideal equipment enclosure environment, designed around universal standards, for the compatible mounting of both OEM manufactured servers, from leading vendors such as IBM, HP, DELL and SUN, as well as all 19" rack mountable solutions. While the Emerging technology of Blade servers cards allows for very high density computing power within a single rack it becomes mission critical to ensure that the enclosure is specifically designed to dissipate the additional heat generated and manage the increased power and cable requirements - the SR series is engineered to provide flexibility whilst maximizing your investment protection in both your technology and more critically your data storage.

▼ 700mm Wide



All brand names, logo and registered trademarks are properties of their respective owners.

Manufacturer	Series
Apple™	Xserve™
DELL™	PowerEdge™
DELL™	PowerVault™
HP™	ProLiant™
IBM™	xSeries™
Sun™	Sun Fire™
Sun™	Sun Fire Blade™



► **DELL™**
PowerEdge™ Server
(2600 shown)



▼ **800mm Wide**



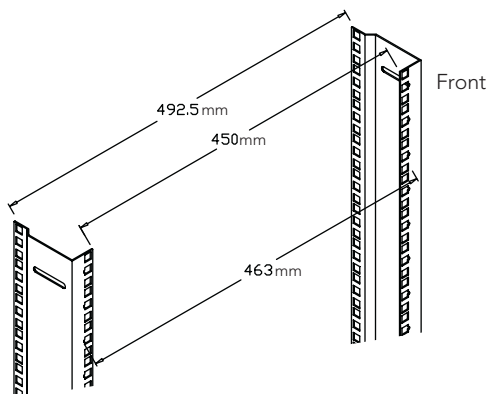
► **HP™**
ProLiant™ Server
(DL380 G3 shown)



► **Sun™**
Sun Fire™ Server
(V120 shown)



► **IBM™**
xSeries™
(x305 shown)



Critical Advanced Cooling

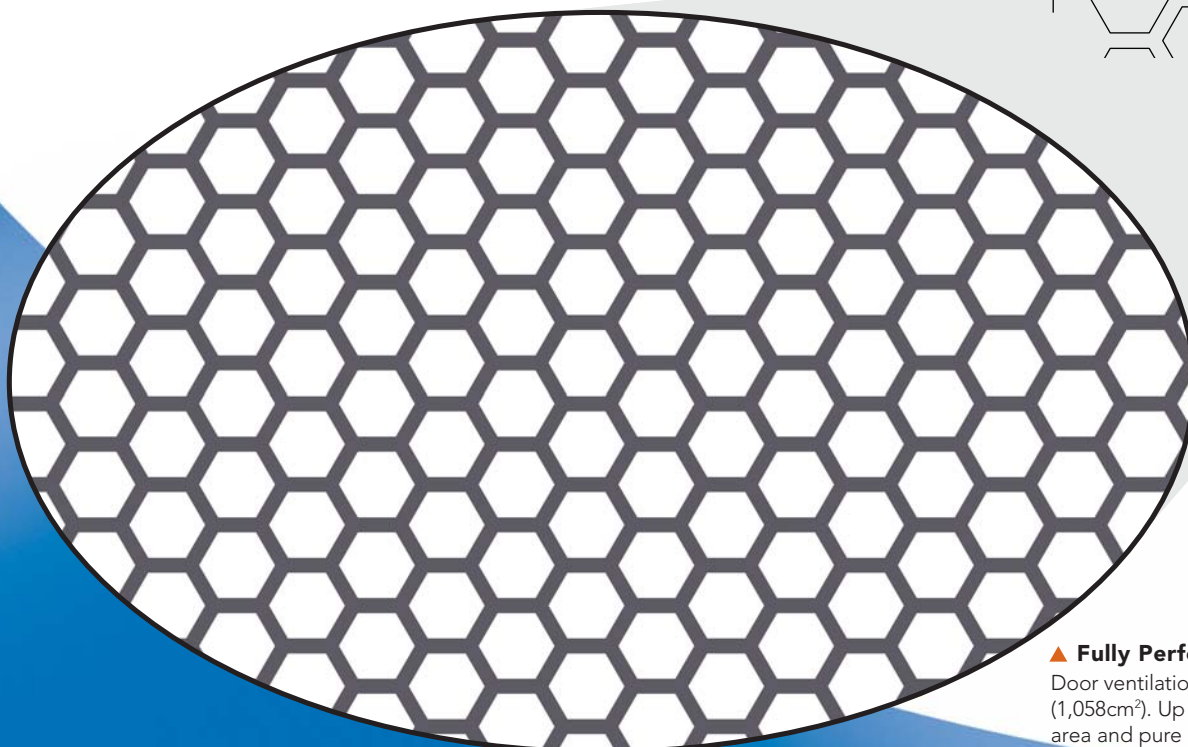
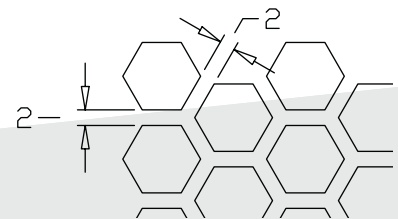
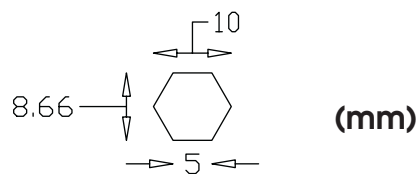
The **ULTRARACK** SR Series provides advanced storage flexibility while ensuring that versatile cooling requirements are fully catered for. Today, more than ever cooling is a critical concern due to the increasing density of high end or blade type servers - a fully populated rack of high end servers puts out approximately 40,000 BTU's or enough thermal energy to heat an average size home. Conventional cooling technologies and traditional style enclosures are no longer sufficient to stand up to this challenge.

The SR Series is designed and engineered, whilst providing absolute user flexibility, to meet these emerging thermal challenges.

The SR series has a broad offering of design features and sophisticated cooling solutions to meet your specific requirements. Optimal thermal efficiency is gained via careful R&D in air flow direction and air throughput as well as heat exhaust - all are designed into the SR series from the rack frame structure out to the cladding - The SR series provides an ideal thermal management environment.

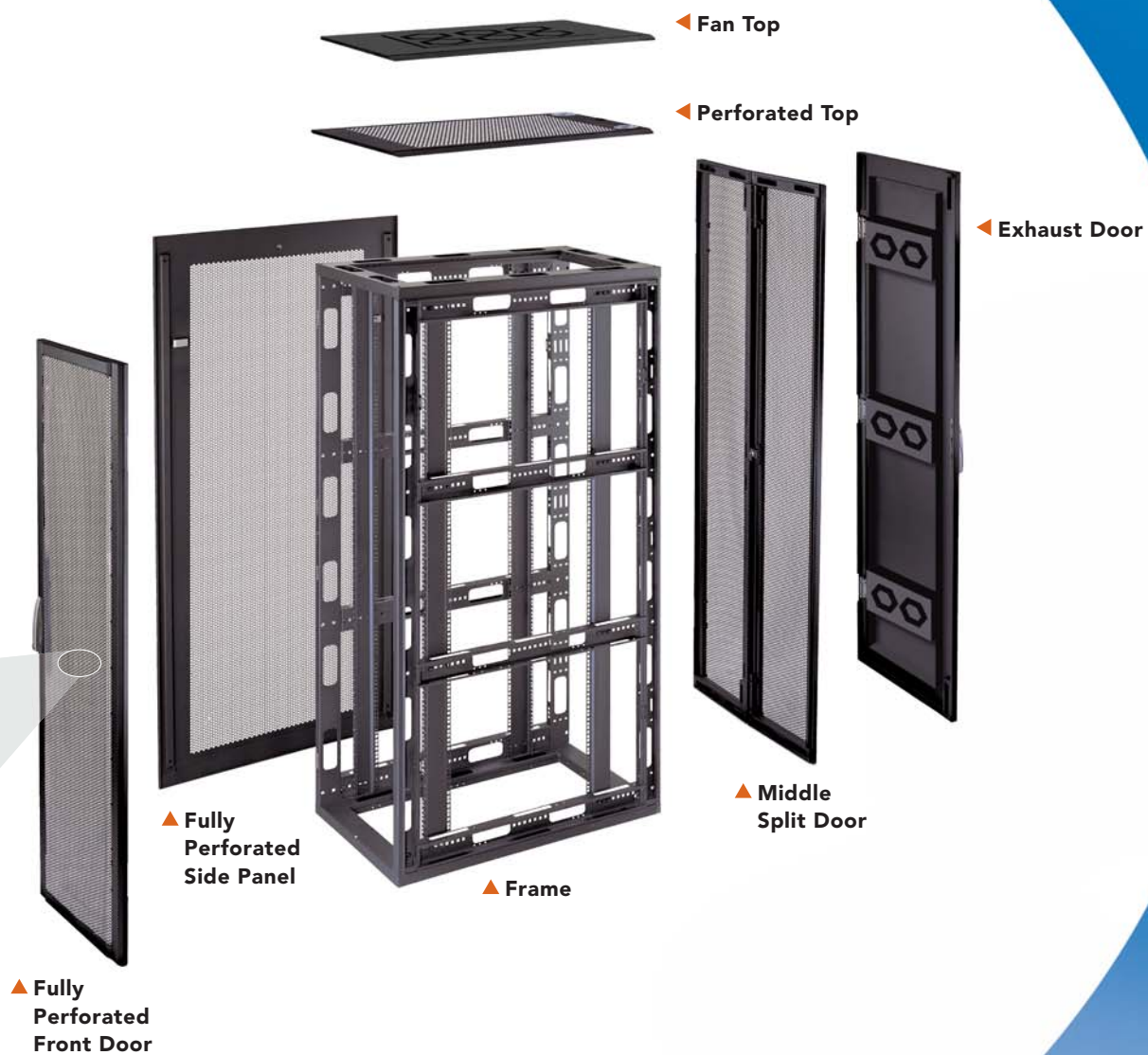
The SR Series achieves significant cooling efficiency through a number of outstanding design and engineering features: the expanded steel design of all enclosure doors gives 80% perforated area that ensures the ultimate in air pattern and flow. Our fully perforated top cover further enhances cooling capability for higher end servers. Quick release full height side panels prevent exhausting heated air from affecting neighboring racks when situated in rows.

Optional fans and custom designed enclosure cladding for the SR series are available to accommodate varying requirements All these cooling solution designs meet or exceed most major manufacturers specifications for air flow.



Actual Size

▲ Fully Perforated Door
Door ventilation exceeds 6,528 in² (1,058cm²). Up to 80% perforated area and pure one up to 60%.



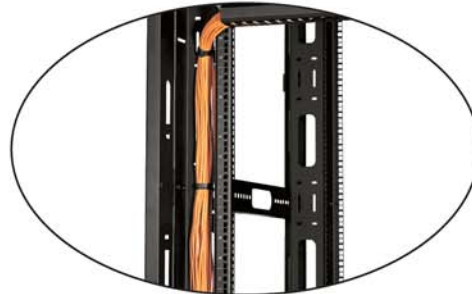
Efficient Cable Management

In today's data centres, the use of enclosures not specifically designed for high density equipment applications can lead to unsightly, often incorrectly installed or improperly managed cables - in the worst case this can affect data throughput as well as causing maintenance and thermal problems by blocking proper air flow.

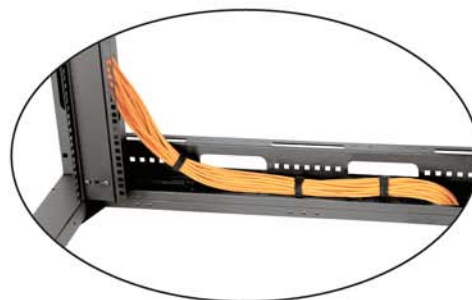
The **ULTRARACK** SR series provides a simple, versatile cabling pathway within the rack frame. The heavy duty rack framework consisting of end frames, verticals, horizontal panel mounting brackets and reducing cable channels give multi-directional cable pathways and numerous efficient cabling options for easy passage of large quantities of cables. Specially developed cable bend radius protectors can be installed on all cable pass-through areas ensuring a greater level of protection particularly for higher bandwidth fiber cable blade server connections; these also provide greater protection for fiber cables during installation and maintenance.

Top to bottom and front to rear cabling is possible without occupying any rack mounting or access space. The SR series enclosure provides a high level secure cable management solution for all mission critical data centre cabling requirements.

▼ Top



▲ Vertical Cable Channel



▲ Base





Creating a Safe Environment

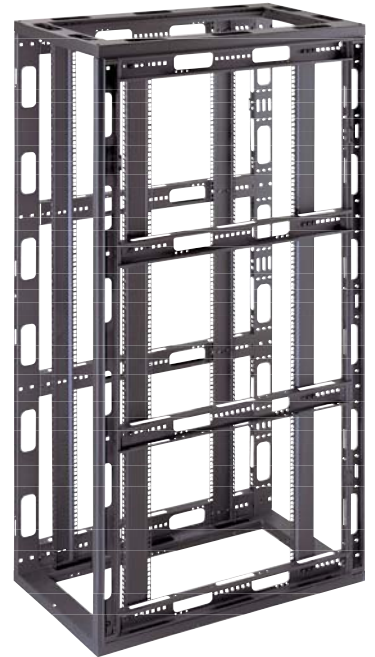
Restricting access to your equipment is today as important as ensuring that the equipment is operating in the correct enclosure environment. Security, or limiting access to your enclosures, is critical to the safe operation of your equipment and protection of mission critical data. The **ULTRARACK** SR series offers highly secure solutions for access management. These include a key lockable front door, rear door, and side panels as well as top cover. These locks can be keyed identically or with different keys allowing you to manage security levels.

Safety

Safety is a key concern for enclosures and data centre environments. The SR series provides high end structural stability, tested through sequential loading, to ensure it provides a safe working environment. For ease of installation and transport the SR series has heavy duty rated castors and is static load rated to 1,000kgs.

▼ **Heavy Duty Framework**
holds 2200lbs load rating.

1000kg



▲ **Fully Open Base**

► **Rolls through a 7 Foot Doorway**

42U rack including castors and leveling feet with an overall height of 80inches/ 2,020mm only

42U (80inches/ 2,020mm)



◀ **Protective Grounding Provisions**

◀ **Quick Release Side Panels**

◀ **Quick Release Doors**

▼ **Double Handle Lock**

optional identical keys, master keys are available for different levels of security



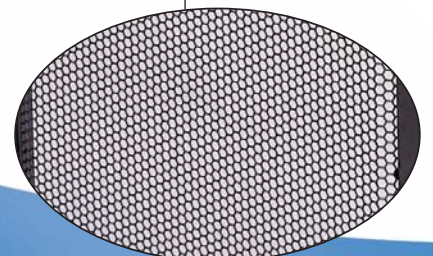
▼ **Heavy Duty Door Hinge**

Door swings open 150 degrees



▼ **Hexagon Perforated Holes**

filled every fully perforated doors and assure optimal air flow.



Additional Features

The SR series has an innovative split door design feature available on all sizes - the door configuration can either be side split or centre split - this dramatically reduces the space required to open the doors to allow either equipment installation or maintenance. For side split doors, the 700mm wide model is 1:6 while the 800mm wide model is 1:7. For centre split doors the 600/700 and 800mm wide models are all in 1:1.

To further enhance front and rear cable management, the 700 and 800mm wide models have a front cable entry cover that improves the aesthetics of unsightly managed cables.

► **Fully Perforated Side Split Door**



► **Fully Perforated Middle Split Door**



▼ **Unit Markings**

Located on mounting angles for easy installation of equipment



Rack-optimized KVM/ LCD/ Keyboard



offer a broad range of rack-optimized **CYBERVIEW** products that are LCD Monitors KVM Switches and Keyboard Drawers. They provide significant cost and space saving in a high quality and thoroughly modern design.

Rackmount 15"/ 17"/ 19" LCD Keyboard Drawer/ KVM Switch



1U LCD
Keyboard Drawer



1U LCD Keyboard Drawer
Short depth of 440mm



2U LCD
Keyboard Drawer



2U LCD Keyboard Drawer
Short depth of 440mm

1U Single Console PS/2 KVM Switch



4-port KVM



8-port KVM



16-port KVM

1U Single Console USB KVM Switch



8-port KVM



16-port KVM

1U Keyboard Drawer/ KVM Option



Short depth of 440mm

1U LCD Display Drawer



19" LCD



17" LCD



15" LCD

1U Two Console PS/2 KVM Switch



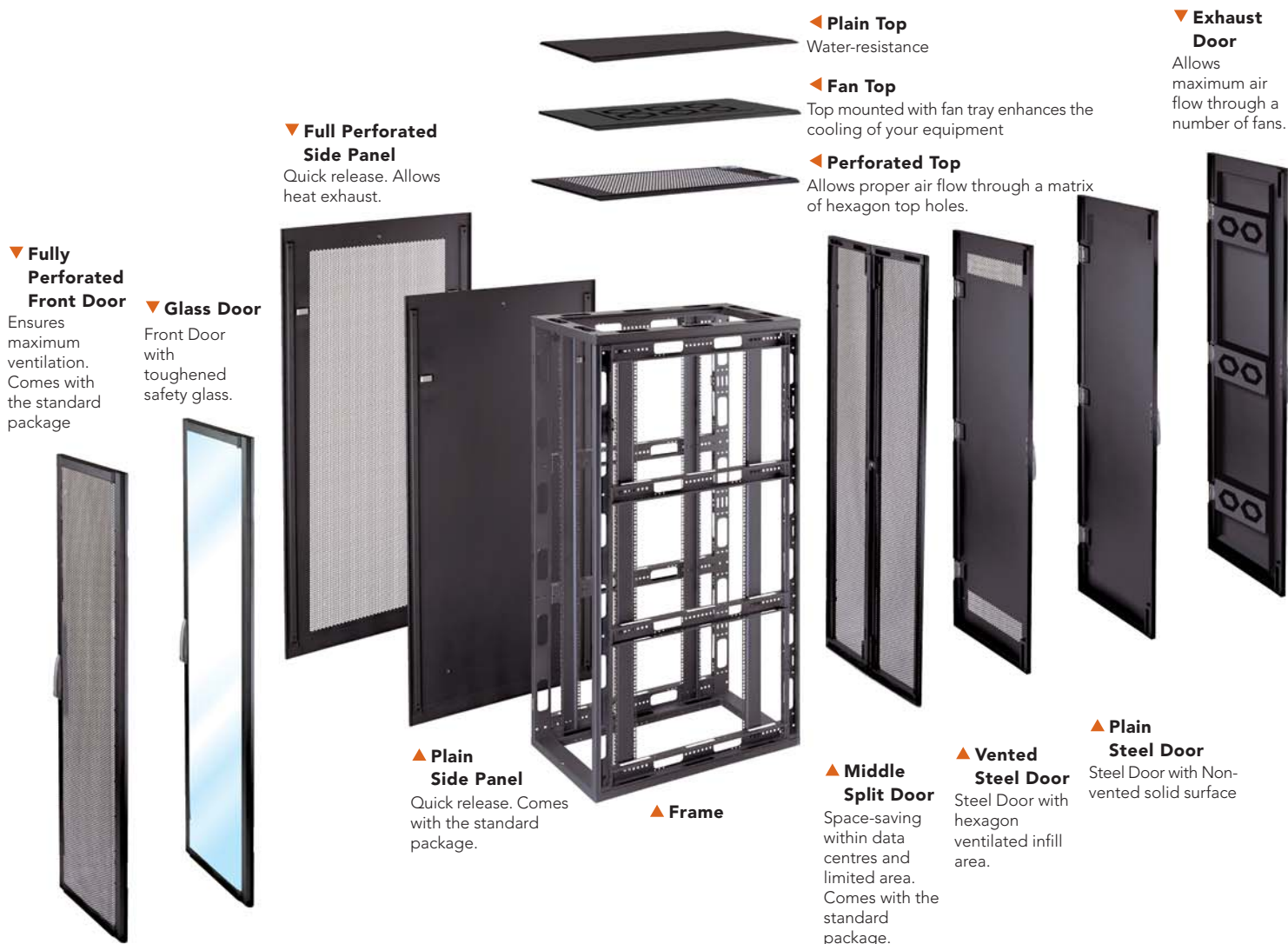
16-port KVM

1U Two Console USB KVM Switch



16-port KVM

Structure



Model No.		Width		Depth				Height			
				Overall		Effective		Overall		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
SR-6942	42U	600	24"	975	38"	900	35"	2,020	80"	1,955	77"
SR-6042		600	24"	1,075	42"	1,000	39"	2,020	80"	1,955	77"
SR-7942		700	28"	975	38"	900	35"	2,020	80"	1,955	77"
SR-7042		700	28"	1,075	42"	1,000	39"	2,020	80"	1,955	77"
SR-8942		800	31"	975	38"	900	35"	2,020	80"	1,955	77"
SR-8042		800	31"	1,075	42"	1,000	39"	2,020	80"	1,955	77"
SR-6947	47U	600	24"	975	38"	900	35"	2,242	88"	2,177	86"
SR-6047		600	24"	1,075	42"	1,000	39"	2,242	88"	2,177	86"
SR-7947		700	28"	975	38"	900	35"	2,242	88"	2,177	86"
SR-7047		700	28"	1,075	42"	1,000	39"	2,242	88"	2,177	86"
SR-8947		800	31"	975	38"	900	35"	2,242	88"	2,177	86"
SR-8047		800	31"	1,075	42"	1,000	39"	2,242	88"	2,177	86"

Overall Depth: Door to Door
Effective Depth: Frame to Frame

Overall Height: w/ castors
Effective Height: w/o castors

▼ 800mm Wide Split Door



▼ 700mm Wide Side Split Door



Package Options



▲ Standard Package



▲ Package A
w/o doors & side
panels



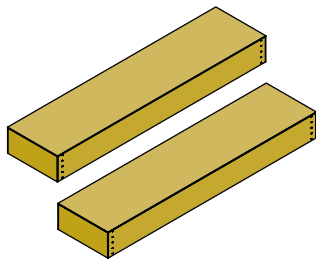
▲ Package B
w/o side panels



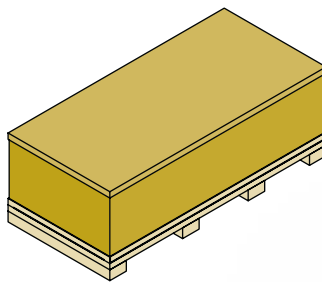
▲ Package C
w/o doors

- 4 package options available
- Standard Package — Full Set
- Package A — Basic Frame
- Package B — Basic Frame + Doors
- Package C — Basic Frame + Side Panels

Packing Form

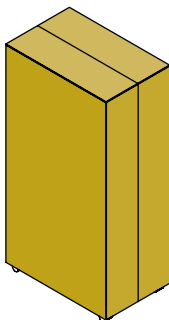


▲ Individual Packing

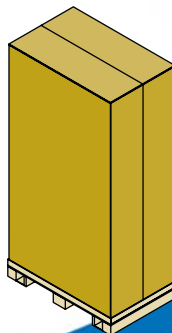


▲ Kit of 3 Packing

- Individual Packing, Kit of 3 Packing and Assembly Packing available
- Kit of 3 Packing bundled with toughened paper pallet ensures excellent stability
- Ideal for overseas transportation
- Better safety and protection can be provided



▲ Assembly Packing with Castors



▲ Assembly Packing with Pallet