



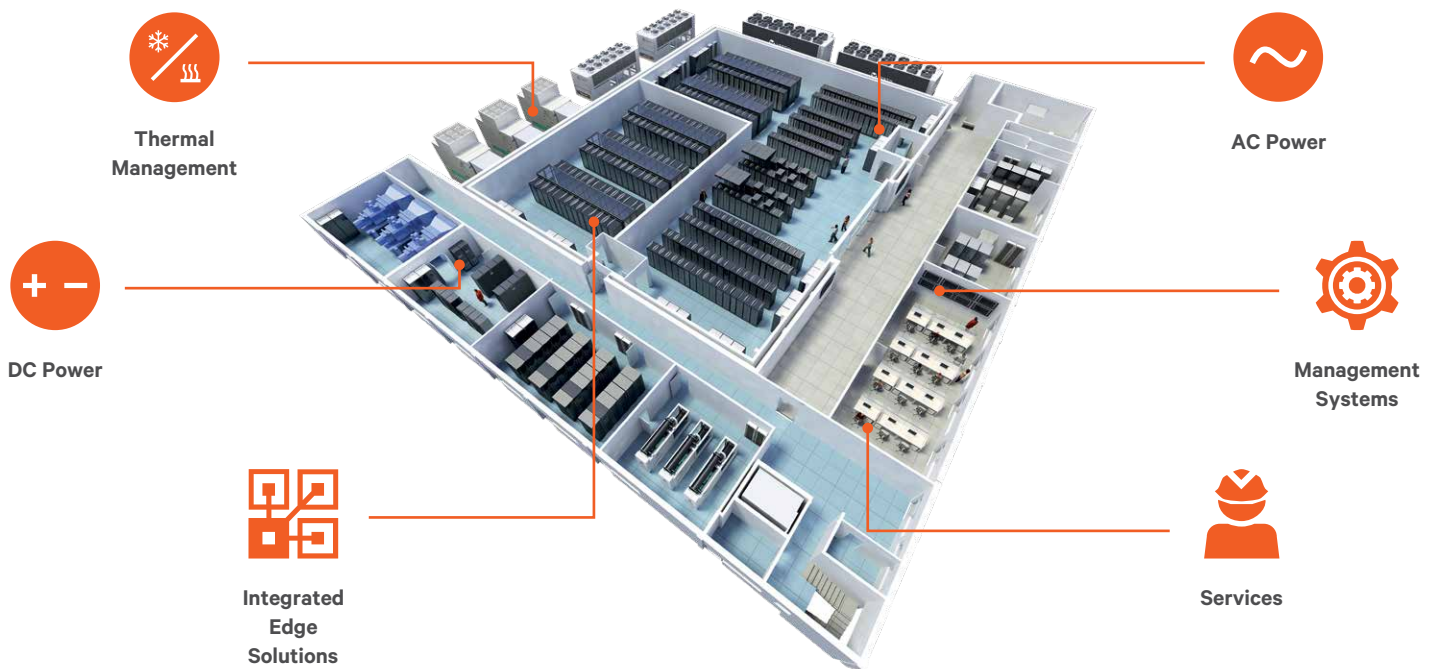
SmartSolutions™

Intelligent, Integrated
Infrastructure for the
data center



Vertiv is a global leader in ensuring critical data continuity, by combining visionary expertise and precise execution to enable vital applications for data centers, communication networks, and commercial and industrial facilities.

Architects of Continuity™



⚡ SMALL & MICRO UPS

- LINE INTERACTIVE UPS 600VA - 2000VA
- ONLINE UPS 1 kVA - 20kVA

Unplanned downtime affects every aspect of business. That's why Vertiv offers reliable and efficient products that work together to safeguard mission-critical networks.

📺 ITEI

- VR RACKS
- iPDU
- KVM
- KMM

Vertiv infrastructure monitoring, intelligent controls, and centralized management systems work together to increase equipment availability, utilization, and efficiency.

📦 RACK ENCLOSURE

- SMARTROW
- SMARTCABINET - PREMIUM
- SMARTCABINET
- SMARTCLOSET

Vertiv data center racks, cabinets, and enclosure solutions provide modular support and protection to critical IT and facilities.

Rapidly deploy and manage IT infrastructure in just weeks without building new data center space. Our SmartSolutions™ products help you meet your IT needs with significant savings. With simplified, standardized designs, you can start small and expand over time.

The SmartSolutions™ approach gives you the efficiency, economy, interoperability and control to implement an infrastructure strategy that outperforms any you've ever seen.

The SmartSolutions™ family helps you cost-effectively achieve and manage higher levels of density, availability and efficiency.



EFFICIENT	ECONOMICAL	SIMPLIFIED	CONTROLLABLE
<ul style="list-style-type: none"> • Reduce annual energy costs –up to 27% through high-efficiency power, dedicated cooling and management technologies and containment • Optimize space efficiency through an integrated system • Reduce maintenance costs with reliable design and efficient operation that minimizes wear and tear and requires less servicing • Increases IT efficiency by streamlining and centralizing monitoring and management 	<ul style="list-style-type: none"> • Reduce total time and cost of implementation order, install and implement within just weeks • Save up to 28% on room upgrades compared to upfitting a room as a conventional data center 	<ul style="list-style-type: none"> • Simplify implementation through an integrated design • Easily operate and manage infrastructure systems through integrated controls • Ensure continuity of business operations with single system startup, warranty, preventive maintenance and repair • Utilize industry-leading service and support provided by local data center design experts 	<ul style="list-style-type: none"> • Ensure efficiency and availability with Liebert® iCOM™ controls — manage cooling to optimize IT equipment performance and life • Enhance performance and anticipate potential problems before they occur with infrastructure monitoring and management appliances and software • Increase physical security and equipment protection with lockable cabinets and access alerts

Deploy a Fully Configured Data Center in Just Weeks.

The SmartRow™ infrastructure from Vertiv is a simplified, standardized and quickly deployable data center environment with significant CAPEX and OPEX savings over conventional designs. No other solution in the market provides such ease of deployment and integration.

Vertiv has demonstrated up to 10% CAPEX savings over conventional designs and 27% OPEX savings. Here's how SmartRow™ infrastructure does it:

- Significantly reduces the cost of room upgrades or modifications
- Optimizes use of space
- Reduces cooling power usage through contained airflow, and high efficiency technologies
- Increases IT control and productivity
- Deploys in weeks, not months

This complete data center infrastructure solution allows you to easily deploy and effectively manage an integrated IT infrastructure without being limited by building systems such as fire suppression and cooling.

SmartRow™ is available in two to eight -rack configurations for up to 40kVA. The solution allows the flexibility of starting small and expanding over time

Capacity	: 10-40kVA
Rack	: 2-8 Racks
Floor	: Primarily non raised
Key Application	: Datacenter, Disaster recovery sites



SmartRow™ Configuration

SPECIFICATIONS	SR-210	SR-210RC	SR-320	SR-320RC	SR-435*	a435RC*	SR-635*	SR-635 RC*	SR 835*	SR 835 RC*
IT Capacity	10 kVA	10 kVA	20 kVA	20 kVA	35 kVA	35 kVA	35 kVA	35 kVA	35 kVA	35 kVA
No. of Racks	2	2	3	3	4	4	6	6	8	8
Cooling Redundancy	Thru Emergency Ventilation	yes	Thru Emergency Ventilation	yes	Thru Emergency Ventilation	yes	Thru Emergency Ventilation	Yes	Thru Emergency Ventilation	yes
Emergency ventilation	yes	NA	yes	NA	yes	NA	yes	NA	yes	NA
UPS Capacity	2 X 10 kVA	2 X 10 kVA	2 X 20 kVA	2 X 20 kVA	4 X 20 kVA	4 X 20 kVA	4 X 20 kVA	4 X 20 kVA	4 X 20 kVA	4 X 20 kVA
UPS Redundancy	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Backup Time**	5 Mins each ups	5 Mins each ups	5 Mins each ups	5 Mins each ups	5 Mins each ups	5 Mins each ups	5 Mins each ups	5 Mins each ups	5 Mins each ups	5 Mins each ups
U Space available	68	68	99	99	117	117	199	199	283	283
Monitoring	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Fire Suppression and Access control	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

DIMENSIONS

Width	2400	3000	3000	3600	3600	4200	4800	5500	6100	6800
Height	2450	2300	2450	2300	W2450	2300	2450	2300	2450	2300
Depth	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800

* Option of water chilled cooling model also available

** AdditionWal backup possible with external batteries

*** Also available additional accessories as optional - KVM, LCD Console, Intelligent Rack PDU, Camera with local surveillance

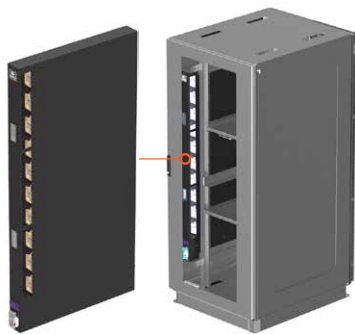
Optimize Your Existing or New IT Environments

The SmartCabinet™ - Premium empowers Enterprise Class IT Infrastructure through the provision of integrated enclosure, power, cooling and service. The biggest advantage is its Zero U space for non-core IT assets. Critically it also allows the most vital element - namely 360° visibility of all system components.

Customers can effectively manage and plan their IT Infrastructure with real time monitoring and insight into system performance.

Continuous availability in turn rests on the power and cooling infrastructure that supports these systems and is comprised of the following:

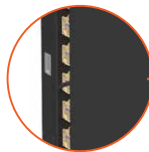
- Power Quality
- Cooling
- Enclosure and Physical Infrastructure
- Monitoring and Management



Vertiv Liebert ITA2 UPS



Vertiv Zero U Cooling



Server



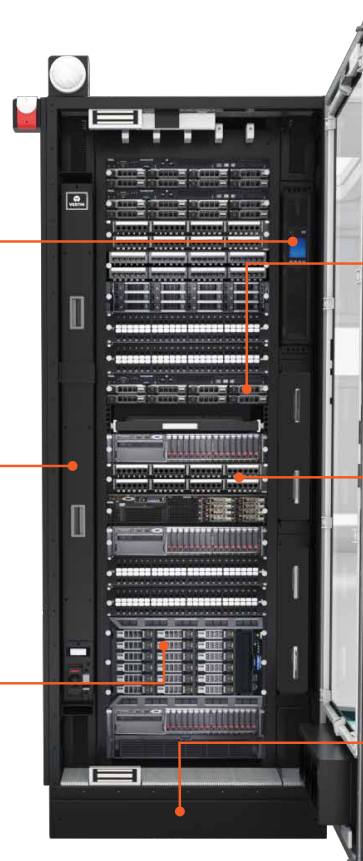
Storage



Network Switch



Vertiv Rack- 42U x 832 x 1100



Capacity	: Upto 20kVA
Rack	: 1-3 Racks
Floor	: Primarily non raised
Key Application	: Server room and Small datacenters

SmartCabinet™ - Premium Configuration

Specifications	SCP-1-7-U6 N	SCP-1-7RC-U6 2N	SCP-2-7RC-U10 2N	SCP-3-14RC-U20 2N
Capacity	6 kVA	6 kVA	10 kVA	20 kVA
No.of Racks	1	1	2	3
Cooling Redundancy	N	N + N	N + N	N+1
Cooling Capacity	7KW	7KW	7KW	14 kW
UPS Capacity	6 KVA	2 X 6 KVA	2 X 10 KVA	2 x 20 kVA
UPS Redundancy	N	N + N	N + N	N + N
Backup Time	10 Mins on each	5 Mins on each	5 Mins on each	5 mins on each
Usable U Space	42	34	84	120

Dimensions

Width	832	832	1632	2432
Depth	1100	1100	1100	1100
Height	2100	2100	2100	2100

Note: Battery backup & cooling unit capacity can be modified as per requirement. U space available is subjected to change as per configuration.

*Also available additional accessories as optional - KVM, LCD Console, Intelligent Rack PDU, ATS/LTS, Camera with local surveillance, Access control and Fire suppression

The SmartCabinet™ empowers Enterprise Class IT Infrastructure through the provision of integrated enclosure, power, cooling and service.

Critically it also enables the most vital element - namely 360° visibility of all system components.

Customers can effectively manage and plan their IT Infrastructure with real time monitoring and insight into system performance.

Continuous availability in turn rests on the power and cooling infrastructure that supports these systems and is comprised of the following:

- Power Quality
- Cooling
- Enclosure and Physical Infrastructure
- Monitoring and Management

Capacity	: 1-10kVA
Rack	: 1-2 Racks
Floor	: Primarily non raised
Key Application	: Server room and Small datacenters

Camera

Beacon

UPS, N+N upto 10 kVA

Battery Bank

STS/NPS (Optional)

Precision Cooling unit 1TR. / 2TR



42 U HD Rack

Distribution Panel

RDU-A; Intelligent Monitoring

Cable Managers

Blanking Panels

Keyboard Tray with KVM (Optional)

SmartCabinet™ Configuration

Specifications	SC-13-AC	SC-26-AC	SC-210-AC	SC-210-AC DS	SC-210-RC	SC-210-RC DS
Capacity	3 kVA	6 kVA	10 kVA	10 kVA	10 kVA	10 kVA
No.of Racks	1	2	2	2	2	2
Cooling Redundancy	No	No	No	No	Yes	Yes
Cooling Capacity	3.5 KW	2X3.5 KW	7KW	7KW with DS	2X7KW	2X7KW with DS
UPS Capacity	2 X 3 KVA	2 X 6 KVA	2 X 10 KVA	2 X 10 KVA	2 X 10 KVA	2 X 10 KVA
UPS Redundancy	Yes	Yes	Yes	Yes	Yes	Yes
Backup Time	5 Mins each UPS	5 Mins each UPS	5 Mins each UPS	5 Mins each UPS	5 Mins each UPS	5 Mins each UPS
Fire Detection	Yes	Yes	Yes	Yes	Yes	Yes
Usable U Space	23	58	55	55	45	45

Dimensions

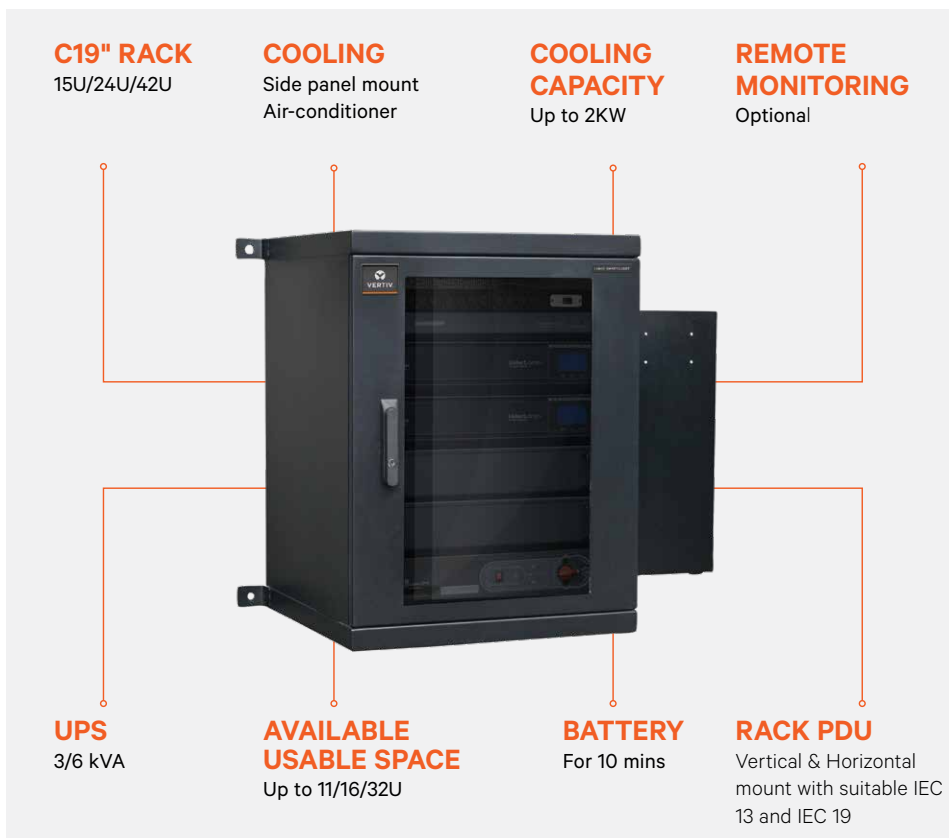
Dimensions	SC-13-AC	SC-26-AC	SC-210-AC	SC-210-AC DS	SC-210-RC	SC-210-RC DS
Width	800	1600	1600	1600	1600	1600
Height	2100	2100	2100	2100	2100	2100
Depth	1000	1000	1000	1000	1000	1000

Note: Battery backup & cooling unit capacity can be modified as per requirement. U space available is subjected to change as per configuration.
 *Also available additional accessories as optional - KVM, LCD Console, Intelligent Rack PDU, Camera with local surveillance, Access control and Fire suppression

SmartCloset™ is the new standalone self-contained rack from Vertiv, along with inbuilt power and cooling. It facilitates the housing and trouble-free installation of active IT equipment like switches, routers and so on - for which, an open environment is not conducive for healthy performance.

Compact and powerful with inbuilt power and cooling.

SmartCloset™ is suitable for any location like factories, warehouses, branch offices and retail stores where ambient conditions and temperatures are not in control; and also where dust and dirt are common.



Features and Benefits

- **Dedicated Rack mount cooling** - The air conditioner capacity is designed considering only rack equipment load and rack volume, thus saving on both capital and operating costs.
- **Rack mount UPS and Battery**
 - A single rack for housing both power and active equipment offers lesser footprint and saves on critical space area.
- **High sensible cooling and 24x 7 application** - As IT equipment is designed to run 24x7 and typically dissipate sensible heat load, SmartCloset™ is exclusively designed for such applications to deliver maximum efficiency.
- **Cooling unit with safety features** - The air conditioner comes with HP/LP switch and Under/Over voltage protection for sites at remote locations and with high voltage fluctuations.
- **Rack Monitoring - (Optional feature)** Rack environment monitoring like temperature, humidity, door sensor, smoke sensor, etc.

SmartCloset™ Configuration

Specification	SCL -15 P* #**	SCL - 24 P* #** *	SCL - 42 P* #**
Rack Height	15U	24U	42UP-
UPS Capacity (P)*	NA External	3/6 kVA	
BatteryMin	NA External	10 mins	
Usable U space	11	16	32
Cooling Capacity # (Watts) **	500	500 / 1000	500 / 1000 / 2000

While ordering

#	X	Y	Z
	500	1000	2000

Order sample

SCL 15 1 X, SCL 24 3 Y.....



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