

Smart Row™

Intelligent, Integrated
Infrastructure for the
Data center



Deploy a Fully Configured Data Center in Just Weeks.

Availability, Capacity, Efficiency.

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



Simple, fully integrated infrastructure – racks, dedicated cooling, management, fire suppression, cable management and power distribution are designed to work together, saving you time and money on installation and operation.



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

What Makes the SmartRow™ Offering unique?

Imagine the advantages of an intelligent, integrated infrastructure with all the capabilities you need to achieve your IT objectives.

The SmartRow infrastructure utilizes seven data center best practices and technologies to achieve a unique set of benefits.

1. Maximizes the return air temperature at the cooling units to improve capacity
2. Matches cooling capacity with IT load
3. Utilizes cooling design that reduces energy consumption
4. Uses power management systems that optimize availability and efficiency
5. Features a design that enhances flexibility using scalable architectures that minimize footprint
6. Utilizes real-time infrastructure optimization to provision resources faster, increase efficiency and reduce stranded capacity
7. Leverages the availability of in-market data center design expertise and technical assistance

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

* 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

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