

Vertiv™ SmartRow™ 2



The Vertiv™ SmartRow™ 2 is a pre-engineered edge data center solution complete with power, cooling, fire suppression, and all the critical pieces required to support data center availability.



30%

Lower deployment cost*



20%

Reduces energy use compared to system without energy-optimized cooling

*For illustration purposes only. Figures are estimations based upon Vertiv's internal engineering studies and analysis. Actual deployment times, costs, and savings may vary depending upon scope, specifications, geographic locations, etc.

● **Centralized management & monitoring**

Data and reporting for entire system consolidated into a single platform.

● **HD camera system (optional)**



● **Precision cooling**

In-row cooling with intelligent capacity modulation to minimize energy consumption.

● **Racks and full containment**

Sealed EIA310 19-inch rack systems increase cooling efficiency and reduce energy consumption.

● **Optional fire suppression**

Lower implementation costs than conventional data center approaches by leveraging integrated fire suppression.

● **9-inch touchscreen panel**

User-friendly display for easy access to system status.

● **Power management cabinet**

Pre-integrated switchboard with surge protection and cabling/whips.

● **UPS battery backup**

Online double conversion UPS with unity output power factor to maintain high efficiency and clean power is fed to critical IT equipment.

● **Environmental sensors**

Monitor & report critical environmental information and alarm notifications.

● **Smart door locks**

Rack level security with access logs recorded. Supports local and/or remote authorization.

● **Emergency ventilation**

Activates automatically in the event of overheating or cooling unit failure.



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Site planning data

Part number	Max power capacity (kW)	IT racks	Rack type (U x mm x mm)	Capacity per rack (kW)	Cooling units	PDU type	PDU count	Distribution type	Length (mm)
SR2N03030NAB1	30	3	42Ux600x1400	10	1	35A	3	40kW PMC	2700
SR2N03030PAB1	30	3	42Ux600x1400	10	1	35A	6	40kW PMC	2700
SR2N03030FAB1	30	3	42Ux600x1400	10	2	35A	6	40kW PMC	3000
SR2N04030NAB1	30	4	42Ux600x1400	7.5	1	30A	4	40kW PMC	3300
SR2N04030PAB1	30	4	42Ux600x1400	7.5	1	30A	8	40kW PMC	3300
SR2N04030FAB1	30	4	42Ux600x1400	7.5	2	30A	8	40kW PMC	3600
SR2N05030NAB1	30	5	42Ux600x1400	6	1	30A	5	40kW PMC	3900
SR2N05030PAB1	30	5	42Ux600x1400	6	1	30A	10	40kW PMC	3900
SR2N05030FAB1	30	5	42Ux600x1400	6	2	30A	10	40kW PMC	4200
SR2N04040NAB1	40	4	42Ux600x1400	10	2	35A	4	40kW PMC	3600
SR2N04040PAB1	40	4	42Ux600x1400	10	2	35A	8	40kW PMC	3600
SR2N04040FAB1	40	4	42Ux600x1400	10	3	35A	8	40kW PMC	3900
SR2N05040NAB1	40	5	42Ux600x1400	8	2	30A	5	40kW PMC	4200
SR2N05040PAB1	40	5	42Ux600x1400	8	2	30A	10	40kW PMC	4200
SR2N05040FAB1	40	5	42Ux600x1400	8	3	30A	10	40kW PMC	4500
SR2N06040NAB1	40	6	42Ux600x1400	6.6	2	30A	6	40kW PMC	4800
SR2N06040PAB1	40	6	42Ux600x1400	6.6	2	30A	12	40kW PMC	4800
SR2N06040FAB1	40	6	42Ux600x1400	6.6	3	30A	12	40kW PMC	5100
SR2N07040NAB1	40	7	42Ux600x1400	5.7	2	30A	7	40kW PMC	5400
SR2N07040PAB1	40	7	42Ux600x1400	5.7	2	30A	14	40kW PMC	5400
SR2N07040FAB1	40	7	42Ux600x1400	5.7	3	30A	14	40kW PMC	5700
SR2N08040NAB1	40	8	42Ux600x1400	5	2	30A	8	40kW PMC	6000
SR2N08040PAB1	40	8	42Ux600x1400	5	2	30A	16	40kW PMC	6000
SR2N08040FAB1	40	8	42Ux600x1400	5	3	30A	16	40kW PMC	6300

- Table above shows data only for SR2 solutions without fire suppression
- Part number last digit : 1 without fire suppression; 2 with integrated fire suppression
- SmartRow2 can accommodate up to two (2) 800mm wide IT cabinets for any given configuration

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