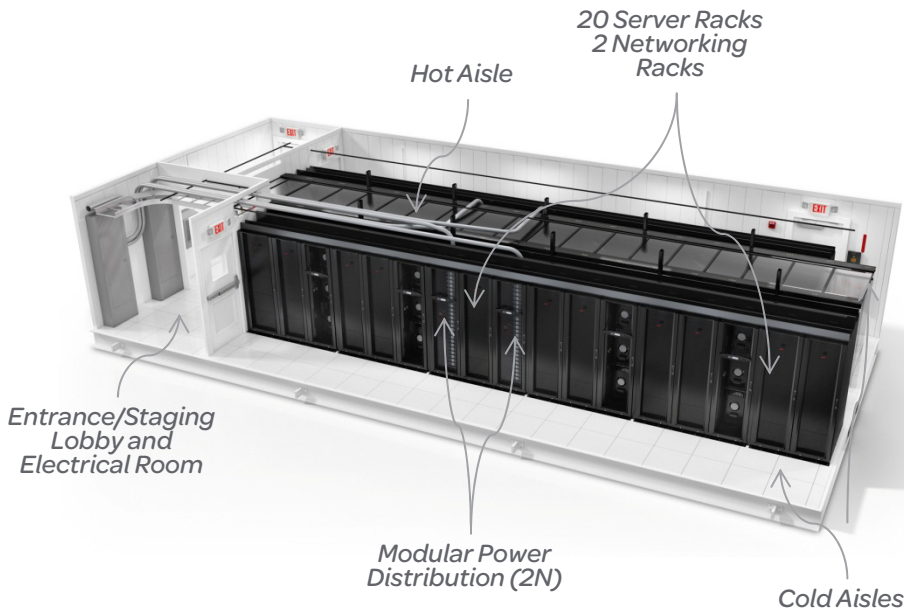


240 kW Prefab Data Center Dual Bay IT Module - PDU

Data Sheet

Schneider Electric offers scalable, easy-to-deploy, Prefabricated Data Center Modules.



Fire Suppression, Alarms, Controls, Dehumidification



Power - Input	
Input Power Voltage (Nominal)	480V AC; 3 Phase; 60 Hz
Max. Input Current	428A
Power Distribution	
Total IT Load	240kW at 2N (22 racks at 11kW per Rack)
Non-Critical Power Capacity	15kW
Nominal Output Voltage to Rack	415V 3PH with Overload Protection
Main Distribution	PDPM175PTH (4) Power Distribution Units
Rack Distribution	AP8888 Metered, 23kW, 240V, 32A (30) C13 & (12) C19 - (2 per rack)
Cooling	
Type, Number of Units	N+ 1 Cooling w/ ACRC502 (Qty 6) In Row; ACRP502 (Qty 2) In Row, w/ Chilled Water with Humidification
Cooling Capacity	240kW n+1
Operating Water Inlet Temp	59° F (15° C)
Internal Operating Humidity	10% - 95%
Internal Operating Temperature	60° F to 80° F (15.6° C to 26.7° C)
Racks	
Rack Qty, Size and Type	20 - AR3300 - 42U x 600 mm (w) x 1200 mm (d) 2 - AR3350 - 42U x 750 mm (w) x 1200 mm (d)
Hot aisle	43" w x 36' 9" l (1100 mm x 11200 mm)
Cold aisle	53" w x 36' 9" l (1350 mm x 11200 mm) (2)
Air blocking	1 Interior Door
Management System and Safety	
StruxureWare Data Center Expert	Interface that monitors, manages and controls devices that provide power, cooling, security and environmental data.
Environmental Monitoring	Cooling Unit Temp Sensors: AP9335T (Qty 44); Temp and Humidity Probes: AP9335TH (Qty 10); Leak Sensors NBE50308 (Qty 1)
Fire Suppression and Detection	NOVEC clean agent system with smoke/heat detection, auto/manual actuation, and audible/strobe alarms.
Exits	2 Primary Exit, 2 Emergency Exits
Physical	
Length	45' 0" (13.7 m)
Width	Shipping: 10' 6" (3.2 m) Assembled: 21' 0" (6.4 m)
Height	11' 10" (3.6 m)
Weight (Estimated), Both Bays Combined	Shipping: 60,000 lbs. (27,000 kg) (QTY 2) Loaded: 180,000 lbs. (80,000 kg) (Typical) 2,050 lbs/m ² (912 kg/m ²)
Entrance Lobby for Environmental Separation	20' 1" (6.1 m) w x 15' 5" (4.7 m) l
Stacking	Optional
Environmental (external)	
Operating Min/Max Temp.	-13° to 113°F (-25° to 45°C)
Seismic and Wind Loading	Site Specific
Operating Altitude	0 - 6560FT (0 - 2000m)
Additional Features	Physical Surveillance Cameras; Integrated Power Management System and Controls; Fibreport; Entry Locks