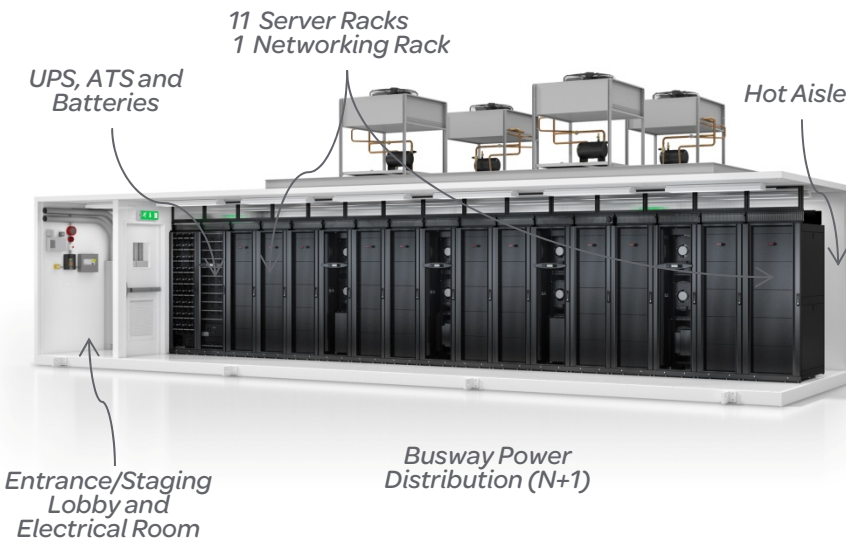
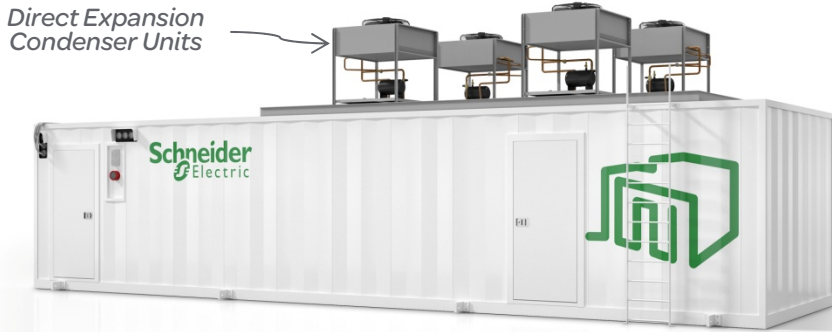


90 kW Prefab Data Center All-In-One Module - Busway

Data Sheet

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



Fire Suppression, Alarms, Controls, Dehumidification



Power - Input	
Input Power Voltage (Nominal)	400V AC; 3 Phase; 50 Hz
Max. Input Current	400A
Power Distribution	
Total IT Load	90kW (Single Path Distribution to Racks) (12 racks at 7.5 kW per Rack)
Cooling Power Requirement	92 kW (Not Supported by UPS)
Non-Critical Power	9 kW
Nominal Output Voltage to Rack	400V 3PH with Overload Protection
Main Distribution	Busway (qty 2)
Rack Distribution	AP8881 Metered, 11kW, 230V, 16A (36) C13 & (6) C19 - (1 per rack)
UPS and Battery System	
UPS	Symmetra PX 160kW, 400V at N+1 Double Conversion online
Battery Type	VRLA - Long Life Battery Modules (10)
Estimated Runtime	5mins @ Full Load
Cooling	
Type, Number of Units	ACCD75207 Direct Expansion Condenser Units - 4 ACRD502 In Row Cooling Units - 2 ACRP102 In Row Cooling Units - 2
Cooling Capacity	107kW N+1
Internal Operating Humidity	10% - 95%
Internal Operating Temperature	15.6° C to 26.7° C (60° F to 80° F)
Racks	
Rack Qty, Size and Type	11- AR3100 42U x 600 mm (w) x 1070 mm (d) 1- AR3150 42U x 750 mm (w) x 1070 mm (d)
Hot aisle	930 mm x 11000 mm (37" w x 36"1" l)
Cold aisle	1000 mm x 11000 mm (39" w x 36"1" l)
Air blocking	2 Interior Doors
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 20); Temp and Humidity Probes: AP9335TH (Qty 4); Door Monitors: NBE50302 (Qty 3); 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	1 Primary Exit, 2 Emergency Exits
Physical	
Length	13.7 m (45' 0")
Width	3.2 m (10' 6")
Height	3.6 m (11' 10")
Weight (Estimated)	Shipping: 25,000 kg (55,000 lbs) Loaded: 40,000 kg (88,000 lbs) (Typical) 570 kg/m ² (1250 lbs/m ²) Condenser Skid: 1200 kg (2,600 lbs)
Entrance Lobby for Environmental Separation	2.3 m (7' 5") w x 3.2 m (10' 9") l
Stacking	Optional
Environmental (external)	
Operating Min/Max Temp.	-25° to 45°C (-13° to 113°F)
Seismic and Wind Loading	Site Specific
Operating Altitude	0 - 2000m (0 - 6560FT)
Additional Features	Physical Surveillance Cameras; Integrated Power Management System and Controls; Fibreport; Entry Locks