

VEM-20

The VEM-20 is a high density outdoor pedestal solution for the deployment of edge applications. Unlike many telecom pedestal solutions, the VEM-20 is designed with data center operators in mind and provides solutions and features commonly found in enterprise data centers. The VEM-20 offers two physically and logically isolated 10 kW racks.

The VEM-20 has also been specifically designed to support 5G O-RAN, serving as many as 20 towers from each pedestal. A set of carefully-located VEM-20s become an ideal platform on which to build a virtualized 5G network and serve it with local breakout, exchange and edge compute applications.



Technical Specifications

Construction	
Width	6ft (1.83m)
Length	13ft 8om (4.16m)
Height	8ft 8in (2.70m)
Approx. Weight (Empty)	4,500lbs



Approx. Weight (Populated)	11,000lbs
Exterior Construction	Full thermal break powdercoated steel panels
Interior Construction	Galvanized Interior
Add'l Features	NEMA 3R+ Construction One-Piece Roof/Rain Canopy Double Gasketed Exterior Access Doors Full LED internal lighting Electronic Locks Forklift and Crane compatible base structure
IT Specifications	
Racking	Rack 1 – 47RU 600mm Width x 1200mm Depth Rack 2 – 47RU 600mm Width x 1200mm Depth Zones
Power	Single Phase 240V 200A Service w/ ATS and Generator connections
Power Distribution	Rack 1 – 4 x L6-30 1ph 208V Rack 2 – 4 x L6-30 1ph 208V
Cooling	20kW DX Cooling System @ N, 12kW at 2N Separate Cooling System access Hot-Swappable N+1 Supply Fan System Fully independent 12kW DX Systems for concurrent maintainability below 12kW. Ships Complete and Tested
Site Requirements	
Pad Size	8ft x 12ft
Pier/Pre-Cast Platform Compatible?	Yes
Clearances	Minimum 4ft in front of Doors and Electrical Enclosures Minimum 2ft in front of Condenser
Power Requirements	200A Single Phase 240V Service
Fiber Entry	2 x 4in Conduits