



Regional Backbone Blackspots Program

RBBP CEV Remote Co-Location

data sheet

Nextgen Group's RBBP POI Rack Space is offered to wholesale customers for limited housing of access and aggregation equipment at selected locations for the distribution of RBBP services.

Service Description

Nextgen Group offers rack facilities along the RBBP route for wholesale customers to house their data networking equipment required to access and distribute the RBBP services.^[1]

The environmental specification, security arrangements and available space will vary according to the facility type at each location. A summary of the standard specifications are provided in the table within this data sheet.

Customers using these facilities must source or fully fund Nextgen Group to provide rack power. Delivery and connection of various rack power methods can be coordinated on consultation with Nextgen Group. Expansion beyond the installed site capacity will be charged in its entirety to the requesting customer.

Nextgen Group provides environment control within the power rating range listed as 'maximum dissipation' in the table. Any requirement for extended environmental control will be charged in its entirety to the requesting customer.

All infrastructure work at the Controlled Environment Vault (CEV) sites must be approved and performed by Nextgen Group.

Application, reservation and variation

Rack spaces are strictly offered on a first come first serve basis. Reservations for space and power are not permitted due to the limited supply of space and racks within these facilities. Nextgen Group will maintain a wait list in the event that sites are at capacity.

Customer requests for non standard facilities will be considered and reviewed. Requests may include but are not limited to:

- Custom Access controls
- Additional power
- Online power metering
- Additional Cooling
- Remote access



Nextgen Group reserves the right to charge for consultation and any preliminary design work in order to assess the viability of a customer request.

^[1] These facilities are not provided for general rack and equipment housing capability.



Site Access

All personnel accessing sites must undergo an induction process.

Site access controls are issued to individuals who have been identified and certified via this process. These individuals must adhere to all Nextgen Group operation guidelines associated to the RBBP nominated facilities.

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Facility Type	Measurement	RBBP MAINS CEV	RBBP SOLAR CEV
Standard Rack	Full Rack	600x600x2200 , 42RU	
	1/2 Rack		
	1/4 Rack		
Rack Supply	Racks must be supplied and installed by Nextgen Group		
Rack Power Ratings (maximum supported heat dissipation)	Full Rack	424W	250W
	1/2 Rack	212W	125W
	1/4 Rack	106W	62W
Existing Nextgen Group Power Sources at the sites (for information)		Mains Power, Single Phase	Solar Power
Rack Power Options	Power to rack is quoted on consultation and request, including specific customer requirements, eg: Automatic Transfer Switch supply and installation.	DC (default) , AC, and UPS	DC Only
Customer Rack Power	Customer rack power infrastructure must be provided and/or fully funded by the customer. Design options may be discussed with Nextgen Group. Nextgen Group reserves the right to charge for detailed design work in the process of providing a quote. All infrastructure work in the CEV must be done by Nextgen Group.		
Excess Power Use	Excess power draw above maximum dissipation contracted allowance cannot be tolerated and will result in termination of service at the sole discretion of Nextgen Group.		
Temperature	Range	-5°C - 50 °C	-5°C - 50 °C
	Typically	25°C	25°C
Humidity	Range	5%RH – 95%RH	5%RH – 95%RH
	Typically	55%RH	55%RH
Emergency Generators	At key sites and deployed as required		
Cooling	Air Conditioners are in an N+1 configuration. Additional cooling may be supplied and quoted on request		
Security	All entry points are swipe card controlled, alarmed and monitored at key sites by CCTV		
Service Management Centre	The Service Management Centre (SMC) in Melbourne operates 24x7x365. The SMC monitors and manages:		
	1. All critical plant including electrical, environmental and fire		
	2. All access points		
Site Access	3. Site access approval, installation, maintenance and fault notification and rectification		
	Site access for installation and maintenance activities are controlled using the Permit to Work (PTW) process. This process incorporates official notification of works to be completed (description, personal, timing). This information is reviewed, recorded, and approved by the Nextgen Group SMC.		
Fire Protection	Fire Extinguisher and Smoke Detector		
Floor Loading Maximum	9kPa		
Cross Connections	Single Mode SC flat available from Rack to Optical Distribution Frame. These are ordered and delivered on request at additional cost		
Prohibited Materials	Equipment that may cause an adverse impact on the performance of CEV plant is prohibited from customer rack installations. This includes:		
	1. Lead acid batteries		
	2. Rectifiers connected to UPS if rack power requested has UPS backup		
	3. Flammable liquids or gases		
	4. Photographic recording equipment		

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Nextgen Group is a leading supplier of network connectivity, data centre facilities and cloud services to Australian businesses, government agencies and telecommunication service providers. We're committed to our clients' success and focus on understanding their business and objectives to deliver tailored networking solutions that deliver meaningful results.

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