

Network Rack Series Active+ Rack (NER)



Eaton's B-Line Business offers a range of pre-assembled standard rack configurations aimed at helping to take away the headache of choosing the right rack specification for your application.

The Network Rack Active+ Rack (NER) provides the perfect platform solution for housing and managing server and switch applications, particularly suited to back office and commercial building infrastructure applications.

Supplied as standard in an 800mm wide foot-print, the NER rack platform suits applications involving active equipment densities above 1.5kW. The double vented doors incorporate industry leading 80% free area perforated sections to help maximise air flow into and out of the rack. The double door configuration makes the operation of the doors in a confined space or walkway that much easier.

An extensive range of standard site configurable accessories, including in-rack power distribution and blanking, are readily available. These provide users with the ability to further enhance the rack to suit individual installation or user demands.

All Racks Include

- Rack frame with jacking feet and integrated bolt-down facility
- Four (4) x Infinitely adjustable 19" mounting rails
- Vertical cable channels (*800W racks only*)
- Plain top panel infill plates
- Double vented steel front & rear doors with 80% free area perforated sections
- Doors fitted with standard locking swing handle with 2-point latching
- Plain locking side panels both sides (*can be specified without side panels*)
- Fully assembled and palletised as standard (*flat packed options available upon request*)

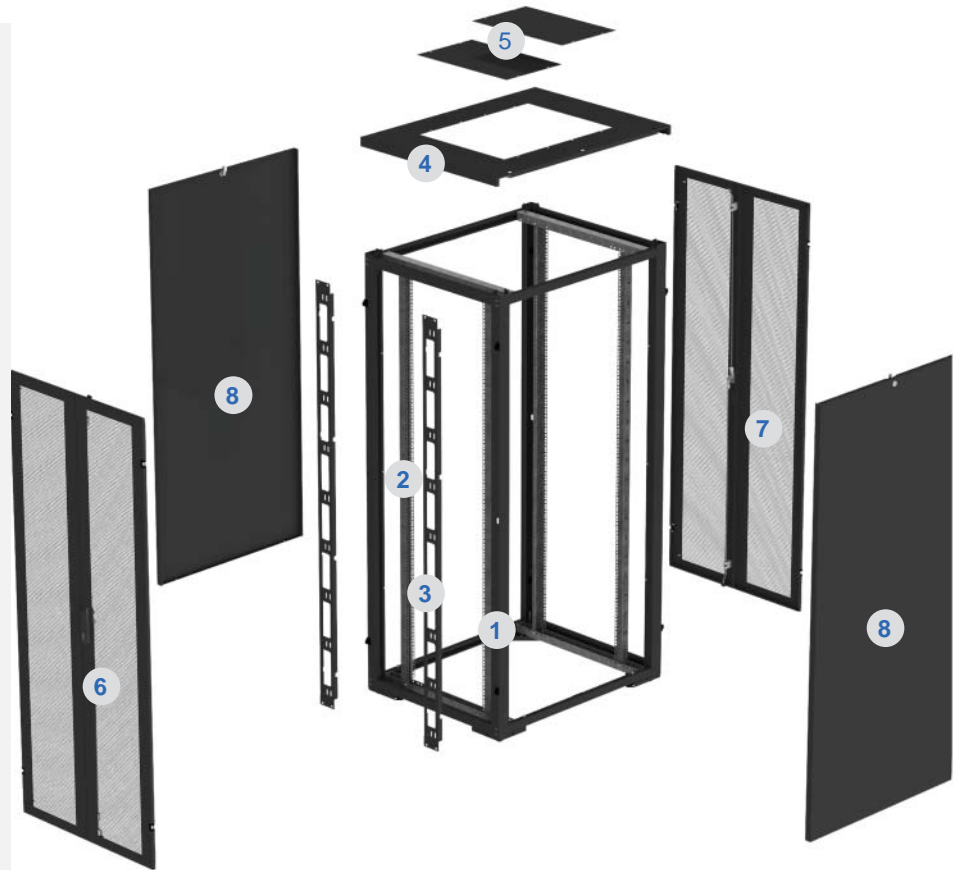
Main Features

- Patented bolt-together construction with flat pack options available upon request
- Conventional 4-post rack design with bolt-together facility
- Class leading *800kg static load and *225kg dynamic load rating (**evenly distributed*)
- Fully EIA 310-E compliant
- Integrated earth bonding facility
- 19" mounting rails are infinitely adjustable front to rear
- Doors fitted with locking swing handles and 2-point latching for ease of use and added security
- Fully site upgradable to suit individual installation requirements thanks to a wide range of accessories including power distribution and blanking for improved air management
- Available as standard in either Black RAL 9005 or Light Grey NCS 1502-Y
- Available on-site in as little as 24 hours (*contact the B-Line customer services team for further details*)

Network Rack Series Active+ Rack (NER)

All Racks Include

1. Rack frame with jacking feet and integrated bolt-down facility
2. Four (4) x Infinitely adjustable 19" mounting rails
3. Vertical cable channels (800W racks only)
4. Top panel
5. Top panel infill plates
6. Double vented front door with 80% perforated area
7. Double vented rear door with 80% perforated area
8. Plain locking side panels both sides (racks can be specified without side panels)



Features	Standard Rack	Cabling Rack	Active Rack	Active+ Rack
	NSR	NCR	NAR	NER
Basic Frame	■	■	■	■
Jacking / Levelling Feet	■	■	■	■
Bolt down Facility	■	■	■	■
Bolt Together Facility	■	■	■	■
2x Pairs Fully Adjustable 19" Rails	■	■	■	■
Vertical Cable Channels	■ (800W)		■ (800W)	■ (800W)
Plain Top Infill Plates	■	■	■	■
Glazed Front Door	■	■	■	■
Vented Steel Front Door			■	
Double Vented Front Door				■
Plain Steel Rear Door	■	■		
Vented Steel Rear Door			■ (600W)	
Double Vented Rear Door			■ (800W)	■
Plain Locking Side Panels	■	■	■	■
Enhanced Vertical Cable Managers		■		

Network Rack Series Active+ Rack (NER)

	27U	42U	42U	47U	47U
TECHNICAL SPECIFICATIONS	800W x 800D	800W x 800D	800W x 1000D	800W x 800D	800W x 1000D
Order Code (Black finish)	NER27808SPB	NER42808SPB	NER42810SPB	NER47808SPB	NER47810SPB
Order Code (Grey finish)	NER27808SPL	NER42808SPL	NER42810SPL	NER47808SPL	NER47810SPL
Physical					
Equipment Mounting Height	27U	42U	42U	47U	47U
Height	1347mm	2013mm	2013mm	2235mm	2235mm
Height with castors	1405mm	2071mm	2071mm	2293mm	2293mm
Width (with side panels)	800mm	800mm	800mm	800mm	800mm
Width (without side panels)	800mm	800mm	800mm	800mm	800mm
Depth (with doors / over handles)	880mm	880mm	1080mm	880mm	1080mm
Depth (without doors)	840mm	840mm	1040mm	840mm	1040mm
Weight Capacity (static)	800kg	800kg	800kg	800kg	800kg
Weight Capacity (dynamic)	225kg	225kg	225kg	225kg	225kg
Maximum Rail Mounting Depth	650mm	650mm	850mm	650mm	850mm
Rail Mounting Width	482.6mm (19") fully compliant to EIA-310-E				
Colour	Black RAL 9005 or Light Grey NCS 1502-Y				
Active Equipment Management					
Heat Load Suitability	> 1.5kW	> 1.5kW	> 1.5kW	> 1.5kW	> 1.5kW
Shipping					
Shipping Width	800mm	800mm	800mm	800mm	800mm
Shipping Depth	1200mm	1200mm	1200mm	1200mm	1200mm
Shipping Height (jacking feet)	1497mm	2221mm	2221mm	2385mm	2385mm
Shipping Weight	109kg	138kg	148kg	151kg	162kg
Conformance					
Regulatory Approvals	IEC/EN 60950, IEC/EN 60297, IEC 529				
Standards	EIA-310-E				
Protection Class	IP20 (when configured with doors and side panels)				
Customer Service & Support					
Warranty	12 months				

Due to continuous product improvement programs specifications are subject to change without notice.

Network Rack

Static Load Test Reference – 26072012_NRFR42808

Product Part Number:
NRFR42808

Product Description:
Network Rack - 42U x 800mm wide
x 800mm deep

Test Date:
26th July 2012

Test Agency:
In House using 1kg load plates

Supervised By:
Mr Dave Counsell
Design Engineer Cooper B-Line Ltd

Test Procedure:
The 42U Network Rack was fitted with 10 heavy duty fixed adjustable shelves. Each Shelf was loaded with 100 x 1kg test weights. Total weight 1,000Kg evenly distributed.

Acceptance:
The enclosure is to be loaded evenly with a weight to simulate a fully loaded enclosure. The unit must support 800Kg static load.

Results:
The Network Rack was loaded with 1kg weights to prove a static load of 800Kg evenly distributed.

- 800kg - No deformation
- 900kg - Slight deformation (1mm) to the ends of the adaptor channels
- 1,000kg - No further deformation
- Weights removed - No deformation after loading for 24 hours



Approved For Release

	Name	Date
Engineering / Design:	<u>Gary Bowdler</u>	<u>27 / 07 / 2012</u>
Product Manager:	<u>Simon Brady</u>	<u>27 / 07 / 2012</u>

Technical Data