

Battery Rack

Racks :: Two-Post Battery Backup Solution; Seismic Designed; 3000 lb. Static Load Capable

Overview

The slim footprint of this 12V Battery Rack takes up less than half the floorspace of a 2V system. You're going to reclaim a massive amount of primetime space. Amphenol Network Solutions Battery Racks allows you to conduct maintenance and switches during normal hours of operation, without downtime. Heavy duty, two-post wide-rail steel framework utilizes the Global Seismic design for Zone 4 seismic protection with loads up to 1,000 pounds.

The Amphenol Network Solutions Battery Rack is the ideal solution for backup power and other battery systems in all types of communications networks. Seismic designed for indoor environments and engineered to provide +24 or -48 VDC backup power to electronic equipment and/or systems during utility power outages, the Amphenol Network Solutions Battery Rack has a 3,000 pound static load rating on the system. Configurations are available with one to five shelves and each battery system conforms to the 7' tall, 23" wide standard.



Key Benefits

- Heavy-duty, two-post wide-rail steel framework utilizes the Global Seismic design, for Zone 4 seismic protection with loads up to 1,000 lbs.
- Battery shelves are 21.75" wide by 21.1" deep, each supporting up to 600 lbs. (272 kg) and holding up to four batteries per shelf, with the entire rack supporting up to 3,000 lbs. (1,360 kg)
- Adaptable to +24 or -48 VDC power distribution
- Standard EIA universal hole pattern enables mounting of electronic equipment when fewer than five shelves are in the rack
- Positive and negative collector buses sized for 1,200A and include standard 2-hole lug bolt pattern on the return bus

Applications

- Indoor commercial environments (including central office and data centers), as well as MSO sites, cell sites and huts

Included Accessories

- Two 1,200A 10 input/6 output copper bus bars
- All necessary cabling to connect battery strings to collector bus bars
- Retainers for securing batteries within each shelf
- 100A circuit breakers for each battery string

Specifications

Dimensions	
Rack	25.88" W x 84" H x 23.5" D (65.7 cm x 213.3 cm x 59.7 cm)
Shelf	21.75" W x 21.1" D (55.3 cm x 53.6 cm)
Footprint	25.88" W x 23.5" D (65.7 cm x 59.7 cm)
Weight (without batteries)	
3-shelf	~290 lbs. (132 kg)
4-shelf	~320 lbs. (145 kg)
5-shelf	~350 lbs. (159 kg)
Battery weight capacity	3,000 lbs. total (5-shelf rack) (1,360.78 kg)
Material	
Frame	Hot-rolled steel
Collector bus bars	Tin-plated copper
Finish	Telephone gray (shelves), TGIC polyester powder coat
Battery Configuration	
±24 VDC configuration	Two strings of two front terminal batteries per shelf
	Separate cabling to collector bus bars for each string
	#2 AWG wire between batteries and 1,200A bus
-48 VDC configuration	One string of four front terminal batteries per shelf
	Separate cabling to collector bus bars for each shelf
	#2 AWG wire between batteries and 1,200A bus

Standard Components

Rack
Two-post, wide-rail, steel framework supporting 1 to 5 battery shelves
44RU x 23" EIA wide without shelves
Two separate insulated collector bus bars at top of rack with cover
All cabling to connect strings to collector bus bars
Battery Shelf
One battery hold-down bar per shelf with multiple mounting locations to accommodate batteries of differing heights
Approximate battery heights accommodated: <ul style="list-style-type: none"> 8.875" (22.54 cm) 9.875" (25.08 cm) 11.125" (28.25 cm) 12.625" (32.06 cm)
Approximate battery lengths accommodated: <ul style="list-style-type: none"> 20" (50.80 cm) 21" (53.34 cm)
Approximate battery width available: <ul style="list-style-type: none"> 21.75" (55.2 cm) total 5.44" (13.8 cm) per cell (four cells per shelf)
Warranty Information
Limited warranty available; contact your Amphenol Network Solutions representative for details.

Ordering Information

Description	Part Number
1-shelf rack, 24 VDC	088-7012-0123-0000
1-shelf rack, 48 VDC	088-7014-0123-0000
2-shelf rack, 24 VDC	088-7022-0123-0000
2-shelf rack, 48 VDC	088-7024-0123-0000
3-shelf rack, 24 VDC	088-7032-0123-0000
3-shelf rack, 48 VDC	088-7034-0123-0000
4-shelf rack, 24 VDC	088-7042-0123-0000
4-shelf rack, 48 VDC	088-7044-0123-0000
5-shelf rack, 24 VDC	088-7052-0123-0000
5-shelf rack, 48 VDC	088-7054-0123-0000
Non-Isolation Anchor Kit, includes washer plates and anchors	08022K01 (0GS Bays)
Iso-Pad	08022-V66