

48Vdc External Battery Cabinet

Features

- ▶ Hot-swappable without interrupting power to your load
- ▶ Powerware's patented Cell Saver technology bundled with unit
- ▶ Automatic battery diagnostics alerts you when batteries need to be replaced
- ▶ Up to three battery cabinets may be daisy-chained together to customize the battery runtime for your application

The complexity of the IT and telecommunications infrastructure in most companies can quickly make maximizing system availability a daunting task. With remote locations and critical sites, many businesses look for an alternative energy source for extended power outages.

The Powerware EBC48 combines with the Powerware 9125 to provide comprehensive power protection from 1-3kVA, with up to 12 hours of battery runtime. This modular, cost-effective solution is available in line-and-match cabinets, and keeps your critical systems available through most power outages.

Product Snapshot

External battery cabinet with charger designed to extend battery backup times for Powerware 9125

Powerware's patented Cell Saver™ technology maximizes battery life by minimizing battery usage, even in severe operating environments. In addition, optional battery chargers are configurable and enable decreased recharge time, and automatic battery diagnostics alert you when batteries need to be replaced, before disaster strikes. Convenient external connections allow battery cabinets to be hot-swapped without interrupting power to the protected load.

Specifications

ELECTRICAL

Nominal Output Voltage(s)	48 Vdc
For use with UPS Model	Powerware 9125-1250VA, 1500VA, 2000VA
Batteries per Cabinet	8 batteries, two 48V strings
Recharge Current	5.0 A max/battery
Charger Input Voltage	120/240Vac, auto-ranging
Charger Input Current	7Amps@120V 4Amps@240V
Charger Input Frequency	50/60Hz
AC Input Connection (to chargers)	factory-supplied cord with NEMA 5-15 plug
Float Service Life	8 yr. At 20 hr. rate, 25C
EBC48 to UPS Connection	custom connector (included)
EBC48 to EBC48 Connection (for daisy-chain applications)	custom connector (included)

MECHANICAL

Outline Dimensions (H x W x D)	28" x 17.2" x 25" / 711.2 mm x 436.9 mm x 635 mm
Portability	Caster base with seismic mounting option supplied
Weight	Shipping 750lb/341kg Installed 665lb/302kg

BATTERY

Battery Type	12V 270 Watt/cell
Recharge Time	See Table A Below
Full Load Support Time	See Table B below

GENERAL

Agency Approvals	UL recognized; CSA; FCC Part 15, Subpart J, Class A; CE per EN50091-1
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ENVIRONMENTAL

Elevation (operating)	-300 to 10,000 feet
Relative Humidity	10-95% non-condensing
Storage Temperature	-15°C/0 to +50°C
Operating Temperature	10C to 40C
Acoustical Noise	55dBA at 5 feet from any surface of the cabinet

TABLE A
EBC48 System Recharge Times
Battery Time Used

	1 hour	2 hours	4 hours	8 hours
Recharge Time to >90%	17 hours	20 hours	23 hours	27 hours

TABLE B
DISCHARGE TIME @ 100% OF THE UPS RATING
NUMBER OF EBC48(S) FOR BATTERY TIME (BY UPS LOAD*)²

Battery time (hours)	2000 VA	1800 VA	1600 VA	1500 VA	1400 VA	1200 VA	1000 VA	800 VA	650 VA
3.5	1	1	1	1	1	1	1	1	1
4.0	2	1	1	1	1	1	1	1	1
5.0	2	2	1	1	1	1	1	1	1
5.5	2	2	2	1	1	1	1	1	1
6.0	2	2	2	2	1	1	1	1	1
6.5	2	2	2	2	2	1	1	1	1
7.0	2	2	2	2	2	1	1	1	1
7.5	2	2	2	2	2	2	1	1	1
8.0	2	2	2	2	2	2	1	1	1
8.5	3	2	2	2	2	2	2	1	1
9.0	3	2	2	2	2	2	2	1	1
9.5	3	2	2	2	2	2	2	1	1
6.0	3	3	2	2	2	2	2	1	1
10.0	3	3	2	2	2	2	2	1	1
10.5	3	3	2	2	2	2	2	1	1
11.0	3	3	2	2	2	2	2	1	1
11.5	3	3	3	2	2	2	2	1	1
12	3	3	3	3	2	2	2	2	1

1. Due to continuing product improvement programs, specifications are subject to change without notice. 2. Requires use of a PowerPass Distribution Module. 3. Based on a .67 power factor load. 4. Can be obtained with use of single unit EBCs.

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