

EATON

Powerware

Powerware® BladeUPS® Maintenance Bypass Cabinet (MBC)

Product Focus



BladeUPS with MBC side-by-side

The Powerware BladeUPS MBC from Eaton® is an integrated power distribution and maintenance bypass cabinet designed to allow the transfer of power to full system bypass to perform service, testing and maintenance without interrupting power to the critical load. The energy efficient TP-1 rated transformer (480-208/120V) provides electrical isolation while the two 42-pole Cutler-Hammer panelboards provide distribution. The cabinet comes complete with a maintenance bypass breaker (MBB), rectifier

Features

- **TP-1, K1-Rated input transformer**
Energy-star efficiency, 480-208/120V, along with integral voltage transformation, electrical isolation and high efficiency
- **Integrated maintenance bypass**
Maintenance bypass breaker, rectifier input breaker and UPS output breaker—all rated for 225A—for high availability even as the UPS is serviced
- **Integrated power distribution**
Two 42-pole Cutler-Hammer® panelboards allow easy installation of additional breakers in the field and streamlined power cabling with no additional footprint
- **Multiple functions**
Four essential power functions in a single cabinet mean efficient use of space—everything is factory tested for assurance
- **Free-standing, easy-access design**
Aesthetics that complement other modern data center equipment while providing ease of installation and use for flexible access and deployment options

input breaker (RIB), a UPS output breaker (UOB) and a system input breaker (SIB).

As with the rest of our Data Center Solutions products, Eaton has considered the aesthetics of the modern data center, ease of installation and serviceability with this design. The Powerware MBC is intended to be the perfect complement to a Powerware BladeUPS 208-208V 60 kVA parallel system. This sturdy cabinet is the product of quality and solid construction including a 12-gauge steel frame. Top, bot-

tom, and side cable entry and exit are all available as a standard feature. The two Cutler-Hammer 42-pole panelboards allow easy installation of additional breakers in the field. This cabinet provides a wide array of functionality while still maintaining a small footprint.

Every Powerware BladeUPS MBC goes through extensive factory testing to ensure that each meets Eaton's strict quality standards. All key MBC components are Cutler-Hammer manufactured.

Full panel of
the Powerware
BladeUPS MBC
from Eaton.



Technical specifications

POWERWARE BLADEUPS MAINTENANCE BYPASS CABINET (MBC)

System characteristics

kVA rating: 60 kVA

Fault current: 35 kAIC @ 480V
50 kAIC @ 240V

Nominal current: 225A

Transformer characteristics

TP-1 Efficiency Rated

K factor: K1

Aluminum windings

Electrostatic shielding

150°C temperature rise

Input ratings

Voltage: 480V: Three-phase, three-wire plus ground

Frequency: 60 Hz

Output ratings

Voltage: 208V/120V: Three-phase, four-wire plus ground

Frequency: 60 Hz

Distribution

(2) Cutler-Hammer 42-pole 225A panelboards

Silver plated bussing

225A Cutler-Hammer Series C molded case breakers for UOB, RIB and MBB

125A Cutler-Hammer Series C molded case breakers for SIB

Safety standards

UL 1778

CSA C22.2 no. 107.1

Physical characteristics

30"W x 36"D x 80"H

Weight: 1200 lbs



PowerChain
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