



Eaton Bypass Power Module (BPM)



Built to be a flexible solution for IT environments, Eaton's BPM can be wall-mounted to conserve valuable space

Power distribution for flexible infrastructure

Eaton's Bypass Power Module (BPM) is a combined maintenance bypass (MBP) and power distribution unit (PDU) for centralized UPS designs. By combining these two functionalities, the Eaton BPM increases reliability and flexibility while decreasing electrical installation costs. Compatible with Eaton's 9170+, 9155 and 9PX UPS models, the BPM is an ideal solution for customers looking to achieve a flexible, fully-rackmounted IT environment.

The need for maintenance bypass

While a centralized UPS can provide enormous value over distributed design, power distribution and reliability become more critical to the infrastructure plan. Because they are hardwired, UPSs over 6 kVA almost always require a MBP to provide a means of directly connecting utility power to IT equipment. MBP functionality helps keep critical loads running—even in the event of scheduled UPS preventive maintenance, a service event or failure.

Simplifying power distribution

In addition to a bypass, centralized systems also need a means to distribute over 6 kW of power from the UPS to connected equipment. This can pose additional challenges for both IT managers and their facilities teams. A traditional, centralized design may require a panelboard, wiring and conduit, not to mention the costs associated with electrical installation. Distribution can be even more complicated when installing the UPS next to—or inside of—an IT enclosure. By combining the MBP and PDU functionalities, the Eaton BPM not only improves system reliability and increases flexibility, but also drastically reduces electrical installation costs requiring this type of solution.

Improving flexibility and management

Unlike traditional MBP systems, a Bypass Power Module comes equipped with local outlets to enable an IT manager to add, remove or reconfigure PDUs throughout the lifecycle of the installation. This makes the infrastructure more apt to handle the addition of a new rack, a change of IT equipment with higher power ratings or the reconfiguration of enclosures to improve airflow than traditional, conduit-based designs. Integrating a BPM into an existing solution ensures an environment will be prepared for future growth and change.



Technical specifications

Bypass Power Module

Catalog number	Description	Input	Output	Dimensions (HxWxD, in.)
BPM125HW	125A BPM HW	Hardwired	Hardwired	5.1 (3U) x 17.3 x 25.6
BPM125AR	125A BPM	Hardwired	(6) L14-30R + Hardwired	5.1 (3U) x 17.3 x 25.6
BPM125BR	125A BPM	Hardwired	(3) L14-30R + (3) L6-20R + Hardwired	5.1 (3U) x 17.3 x 25.6
BPM125CR	125A BPM	Hardwired	(3) L14-30R + (6) C19 + Hardwired	5.1 (3U) x 17.3 x 25.6
BPM125DR	125A BPM	Hardwired	(3) L14-30R + (6) 5-20R + Hardwired	5.1 (3U) x 17.3 x 25.6
BPM125ER	125A BPM	Hardwired	(3) L6-30R, (6) 5-20R + Hardwired	5.1 (3U) x 17.3 x 25.6
BPM125FR	125A BPM	Hardwired	(6) L6-30R + Hardwired	5.1 (3U) x 17.3 x 25.6

Note: "R" models include four-post rail kit; 125A "HW" model does not include rail kit.



Rear panel of Eaton's BPM125ER model



Bypass Power Module shown here with Eaton's 9PX6KSP UPS model

For additional information on Eaton's Bypass Power Module, visit Eaton.com/BPM



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