

Help enhance system and data availability with distributed power and power protection



IBM Distributed Power Interconnect products were developed specifically for use with sensitive electronic equipment in the rack environment.

Reliable, scalable power at a competitive price

With the changes brought on by the new generation of Intel®-based servers, power distribution and power delivery are becoming critical issues. Only a few years ago, the quest was on to find ways to easily place 42 outlets in a rack for what was then an amazingly dense configuration of 1U servers. Today, there are more factors to consider than counting the power line cords and matching them to the number of outlets. The quest for outlet count has now been joined by the quest for delivering current adequate to feed the substantial power draw of today's servers. This trend toward higher current (amperage) draw in servers is making it more difficult to design a fault-tolerant system.

IBM offers DPI products, a family of modular "zero-U" PDUs designed to be capable of supporting solutions from a handful of servers to an array of large enterprise servers—all without consuming valuable rack space. These units can be configured to provide redundant power distribution, thus helping to eliminate point of failure and assure higher levels of data availability.

Compelling reasons to include IBM DPI PDUs in a rack-based System x solution:

- Even in simple configurations, the combined power-line requirement of devices in the rack can easily exceed the capacity of existing wall outlets. A PDU can help customers efficiently use the available power and the available outlets.
- A properly configured PDU solution may help customers increase availability and protect their system investments at a very affordable price. IBM PDUs can be used to help provide an advanced fault-tolerant power distribution system.
- IBM's modular approach provides the flexibility to mix and match components as needed to configure a wide range of power distribution solutions. Universal voltage support, plus single- and three-phase models, provide solutions that can be used in virtually any facility or location meet almost any rack power requirement.



Designed for high availability, the IBM UPS3000X boost uptime and simplify management.

More power and performance, smaller package and price

Help substantially extend the backup power runtimes of your System x server with cost-effective, high-density Uninterruptible Power System (UPS) options.

The new IBM UPS3000 models are ideal for environments where high-availability servers and components require backup power to sustain business activity.

IBM UPS3000 Highlights:

- Rated for up to 2700 watts/3000 VA, provides more real wattage in less space with a .9 power factor—protecting more equipment and leaving more room for expansion
- Space-saving 2U form factor for rackmount or tower installation
- Enables prioritized shutdown of non-essential equipment during outages to maximise backup for critical devices
- UPS management software integrates with IBM Director to deliver seamless systems management
- Hot-swap electronics and battery modules simplify service without powering down your connected load

The IBM UPS3000X family provides the benefits of IBM's renowned service and worldwide support, plus an industry-leading set of innovations and features that are available exclusively from IBM.

IBM Distributed Power Interconnect product family

IBM DPI PDU+



Intelligent power distribution with advanced monitoring capabilities

IBM DPI High-Density PDU



Highest quantity of receptacles per PDU with twelve C19 outlets

IBM DPI Enterprise DPU



Highly advanced modular units with power cord connection, breakers and outlets all on the same side of PDU for easy access

IBM NEMA, Rack, and Front-End PDU



Economical, basic power distribution for rack-based systems

Select the right DPI model for your application

	DPI Rack, Front-End (FE) & NEMA	DPI High-Density (HD)	DPI Enterprise	DPI PDU+
Part Number	39Y8905 to 39Y8962	39Y8999 & 73P5847	39Y8923, 39Y8941 & 39Y8948	39M2816 to-39M2819
Feature				
Qty 5-15 outlets	6 (IEC)	-	-	-
Qty C13 (10A) outlets	7 (Rack)	-	12	12
Qty C19 (10A) outlets	3 (FE)	12	6	6 + 3/C13
Size	½ width	Full width	Full width	Full width
Connection sides	2	2	1	1 or 2
Overload protection	Fuse ¹	Fuse ¹	Breaker	Breaker
Maximum operating temp	40°C	40°C	40°C	60°C
Input voltage (phases)	1Ø and 3Ø	1Ø and 3Ø	1Ø and 3Ø	1Ø and 3Ø
Monitoring	-	-	-	Ethernet/ Remote
Level PDU	Good	High-density	Better	Best

1. Unit replacement required to exchange fuse

Test drive the new IBM DPI PDU+ at <http://192.104.67.81> (user name: ibm, password: ibm)

For additional information on distributed power and power protection solutions for System x, please visit <http://www.oem.powerware.com/ibm-ups/ProductsEMEA/9910solutionsema/systemx.asp> or call+44 (0) 845 177 3410