Northern
A Distributed Energy Systems Company

PRODUCT BRIEF

PowerDistributor™ PD900 Converter for DG Interconnect

AT A GLANCE...

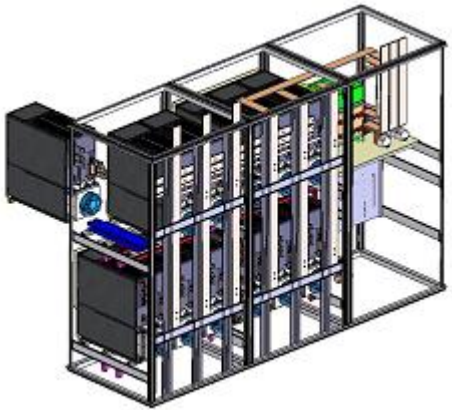
The PowerDistributor PD900 is Northern Power's advanced, patent-pending grid interconnection device.

With the PD900 converter, you'll get better performance out of your genset, an easier interconnection process and more siting flexibility for your DG application.

The PowerDistributor™ PD900 converter is Northern Power's proprietary distributed generation solution for interconnecting with utility network grids.

For sites with multiple utility services, the PD900 provides:

- Improved energy savings
- Faster payback
- Superior fault current mitigation



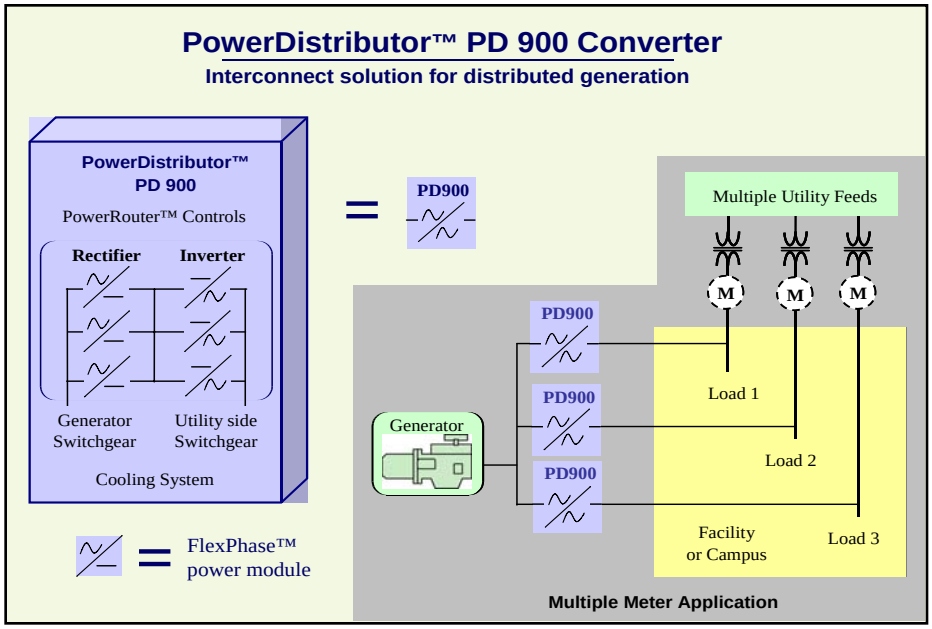
Cost-Effectiveness

By using fewer large generators to serve multiple utility services instead of a single system for each meter, economies-of-scale are generated. For combined heat and power (CHP) systems this also means a simpler, more efficient thermal system.

The PD900 also allows the generation to serve the combined load of the services, enabling the generator to operate closer to capacity more often, which means better capital utilization. This ultimately results in more energy savings and faster payback.

Easier Grid Interconnect

The PD900 is a superior fault current mitigation device. The combination of high speed sensing, advanced controls, and IGBT switching



Northern Power designs, builds, installs and services reliable power solutions. Since 1974, we have provided turnkey energy solutions for industrial, commercial and government customers worldwide.

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enables the PD900 units to disconnect from the utility in less than a 1/4 cycle. This is critical for meeting utility interconnection requirements, especially on networked grids.

More Siting Flexibility

Interface single or multiple gensets to the utility, or even multiple gensets to multiple utilities. You'll reduce the number of gensets needed in your CHP system, and the space needed to contain it. The PD900 units may be placed with the genset, at the meters, or elsewhere on the site.

Ease of Maintenance

Northern Power's modular power converter platform allows each individual FlexPhase™ power module to be swapped out for service and replaced with a spare in minutes.

Power Quality

Dynamic reactive power control, voltage sag ride through, and fast, automatic fault recovery enable the PD900 to provide added stability and power quality benefits not available with synchronous generators alone.

Proven Technology

The PowerDistributor PD900 converter is an innovative, safe solution that has been designed from established technologies. The PD900 is built on Northern Power's power converter platform, which utilizes FlexPhase power modules and PowerRouter™ controls. The PD900 contains six FlexPhase modules, three each for the inverter and rectifier sections. The PowerRouter controls utilize a proprietary DSP microprocessor solution for optimum power converter performance.

Product Specifications*

Maximum continuous output power	900 kVA (830 kW)
Input / output voltage line-to-line	480 V rms
Nominal output frequency	60 Hz
Input / output configuration	4 wire plus ground
Maximum overall dimensions HxWxD	2110 x 2235 x 915 mm (83 x 88 x 36 in)
Maximum weight	2273 kg (5000 lbs)
Enclosure Type	NEMA type 1 / IP20
Cooling method	Liquid
Max. heat rejected to coolant (rated output)	45 kW
Designed to following standards, as appropriate	IEEE 1547.1-2005, UL 1741, IEEE 519-1992, IEC 61800-3 (Category C3), ANSI/UL 508C-2004

* Specifications subject to change without notice