



# PRODUCT & SYSTEM OFFERINGS

creating the perfect wave

## ISOLATION TRANSFORMER: COMPUTER SHIELD

PDI's Computer Shield (CS) provides advanced power transformation and protection from noise, spikes, harmonics, and grounding problems in a NEMA 1 enclosure. These custom designed isolation transformers are copper wound at ratings to 300 kVA and can be supplied with K1, K13, K 20, and Energy Star compliant safety ratings. Upgrade to PDI's exclusive patented (2), (3), or (4) output Quad-Wye harmonic cancellation design and eliminate harmonics within the same footprint.

## NEUTRAL CURRENT REDUCTION MODULE: TRIPLIN TRAP

PDI's Triplen Trap provides system protection from potentially damaging third order (Triplen) harmonics. These Triplens normally collect on the neutral phase of your distribution system where PDI's units can "trap" this energy and distribute it back into your system as "usable" energy. These devices are packaged in NEMA 1 enclosures and can be sized to handle as much as 750 amps of neutral current.

## VOLTAGE REGULATOR: LC SERIES

PDI's Line Conditioners feature reliable and cost effective power conditioning, distribution, and monitoring. The LC Series first filters high frequency noise from your system and attenuates high-energy transient voltages. It then regulates the voltage of each phase independently, isolates this filtered power and regenerates a clean power output to your loads.

The LC Series is available up to 300kVA in 480V applications and there are three different models available to suit your voltage constraints. All units come with PDI's Automatic Uninterrupted Bypass feature, which maintains output power to your loads in the event of equipment maintenance or failure.

## POWER DISTRIBUTION UNIT - POWER PAK 1000

Looking for a way to increase distribution in your facility and you need to transform and distribute within a very tight space including electrical closets? The Power Pak 1000 products are pre-wired transformation and distribution systems intended for commercial and industrial installations where floor space is at a premium. Packaged in NEMA 1 enclosures, these systems can be fit into an electrical closet and are UL approved.

## POWER DISTRIBUTION UNIT: POWERPAK PDU

PDI's PowerPak PDU Series of products takes the same proven technology offered in the Computer Shield Series of products and combines it with the custom distribution and power monitoring required by today's Data Center. All PowerPak PDUs provide shielding and isolation along with a single point ground reference for your Data Center equipment. These features eliminate electrical noise problems within your facility.

The transformation portion of these self-contained systems can be sized up to 300kVA and rated up to K20. Upgrade the transformer to PDI's patented Quad-Wye and cancel harmonics in the same footprint. Add PDI's Branch Circuit Monitoring System to your PDU and you can manage the loads down to the branch circuit level.

## REMOTE POWER PANEL - NEW AND IMPROVED RPP SERIES

Adding servers and/or running out of breaker space on your data center floor? The PDI RPP is a freestanding distribution system designed to increase the usable kVA of your Power Distribution Units (PDUs). PDI invented the RPP product in 1997, and the new enhanced RPP allows better internal access while power connections are made. Your RPP can be rated for 208V and can provide up to 168 additional single-phase circuits. Add BCMS to actively monitor down to the branch circuit level.

## QWIKSWITCH™ SINGLE PHASE STATIC TRANSFER SWITCH

If you have multiple AC sources and are looking for a rack or surface mounted single-phase static transfer switch, PDI can help. The PDI Qwikswitch™ maintains continuous power to critical control systems without the limitations of mechanical contactors or UPS systems. The Qwikswitch™ single-phase rack mounted unit is available from 25 – 85 amps, and the surface mounted Qwikswitch™ is available from 85 – 300 amps.

## STATIC TRANSFER SWITCH: SBR AND RCS SERIES

PDI's Static Transfer Switches supply your facility and its loads with a choice between two available sources of power. These products sense system disturbances, verify availability of an alternate source of power and transfer your loads to this source if deemed suitable, without interruption of power to even your most sensitive critical loads – all within 4 milliseconds.

Designed and packaged with the sensitivity and aesthetics required for today's Data Center, the SBR Series products are rated up to 800 amps for up to 600V applications. PDI introduced the industry's first true front access only unit in 1997 and has recently expanded the product line to include front and rear and front and side configurations. All switches are in NEMA 1 enclosures and can stand-alone or are close coupled to our PowerPak PDUs as part of an integrated system. PDI's complete line of SBR Series products is the only product line in this class that has been subjected to, and passed, UL 1008 testing.

Featuring the same design, sensing and performance of the SBR Series, the RCS Series is packaged and rated to handle larger loads. The RCS rates up to 4000 amps for use in alternative power applications with utility companies and fuel cell companies.

## REDUNDANT POWER DISTRIBUTION SYSTEMS

Our Redundant PowerPak Systems are designed to handle dual source applications. Switching between sources can be accomplished a number of ways – either through a manual or automatic switch. The switching part of the redundant units is matched up with PDI's array of power conditioning and distribution to create a totally redundant power path for critical loads. Additionally, these units can now be right sized according to the mix of your single and dual cord loads to maximize your investment. Units are available up to 300kVA, are fully front and side accessible and can be top or bottom feed.

## BRANCH CIRCUIT MONITORING SYSTEM (BCMS)

With today's high demand on electrical power reliability the need for load level monitoring is a must. PDI's patented Branch Circuit Monitoring System (BCMS) measures and reports the current of each individual panelboard circuit allowing for proactive management of every device in your facility. This product can be ordered from the factory or as a retrofit kit.

## GLOBAL MAINTENANCE BYPASS CABINETS

PDI's newest product is the global maintenance bypass cabinet. This product is available in either a two or three breaker design and can be provided with or without distribution and with or without transformers. PDI offers this as a quick delivery product to accompany any vendor's UPS system.

## TVSS / COMPUTER CABLES

PDI has a full line up of TVSS products available. Custom UL labeled power cables are available as well to suit your needs. Both of these products are available for new construction or retrofit projects.

## CUSTOM DISTRIBUTION SOLUTIONS

PDI has always been the leader in innovating new solutions for your application. Whether we have exactly what you need on the shelf or on the drawing board, we will finalize the design that best suits your needs and produce a top quality solution for you.

Need more information? Visit our website at [www.pdicorp.com](http://www.pdicorp.com).

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25 years