

STATIC TRANSFER SWITCH: SBR SERIES 100-800 AMP

SEAMLESS 4MS POWER TRANSFERS FOR CRITICAL LOADS

FULLY AUTOMATIC, TRANSPARENT DUAL-SOURCE SWITCHING 25 years of experience has allowed PDI to become a preferred supplier of 4ms transfer switches to a wide range of industries. The SBR Series supplies critical loads with a choice between two available sources of electrical power. Continually monitoring power quality, the SBR automatically transfers to an alternate source without interruption of power to even your most sensitive critical loads. With a sense and transfer time of less than 4ms, the SBR represents the highest performance power switching solution available.

The SBR improves overall reliability and availability of power to your facility by:

- Providing instantaneous access to redundant sources of power
- Enabling on-line maintenance of upstream equipment
- Utilizing a solid-state transfer mechanism with no mechanical parts to maintain
- Preventing cross connection of sources during transfer and eliminating the possibility of cross current between sources.

DESIGN QUALITY Our systems design and integration experience is packaged in every product we sell.

FRONT & REAR ACCESS Redesigned cabinet offers front and rear maintenance access of a proven design.

FRONT ACCESS ONLY Draw-out sub-assemblies enable front-only access for system installation and maintenance; minimizing floor space requirements.



FRONT & SIDE ACCESS Another convenient option allowing the placement of an SBR virtually anywhere, maximizing room cube.

TRUE SYSTEM REDUNDANCY

COMPONENT REDUNDANCY Redundant power supplies, control power circuits and sensors.

LOGIC REDUNDANCY Redundant voltage detection systems, voltage sensing/sampling systems and independent redundant logic for both static mode and optional auto bypass mode.

SYSTEM REDUNDANCY Redundant static transfer mode power path, bypass power path and optional dual isolation switches.

OPTIONAL TRI-REDUNDANT SYSTEM The ultimate in power system reliability.



THE PDI DIFFERENCE

PACKAGING FLEXIBILITY Configurable as part of PDI's PowerPak PDU Series of complete Redundant Power Distribution Systems.

RIGOROUS PRODUCT TESTING Fully rated switching elements are tested to 6000 operations at 150% load and 50 operations at 600% load. This testing is backed by PDI's Five Step Quality Assurance Program.

MODULAR DESIGN Modular design results in higher quality throughout the line and a delivery schedule ready to meet the most demanding timelines.

PDI SERVICE & SUPPORT Unmatched customer service and support. From system design to complete installation and service, we stay with you through the life of the system.

PDI SBR STATIC SWITCH

100-800 AMPS

PRODUCT PROFILE

EASE OF ACCESS - MAINTAINABILITY

- Complete access to power connections for IR scans

PACKAGING FLEXIBILITY

- Bottom cable entry standard, top entry optional
- Access via front only, front/rear, front/side

STANDARD FEATURES

- 100% continuous rating to 800 amps at up to 65 KAIC
- Fuseless robust SCR design eliminates single point of failure at the fuse
- Event alarm log, history, and event log
- Transfer counter with time/date stamp
- Concentric password architecture to control access levels
- Enhanced system numeric panel with programmable LCD control panel
- True RMS metering
- Modbus RTU communication

OPTIONAL FEATURES

- Close coupled with custom PDU for primary or secondary system
- Triple modular redundancy
- Distribution via panel boards or subfeed breakers
- Patented Branch Circuit Monitoring System

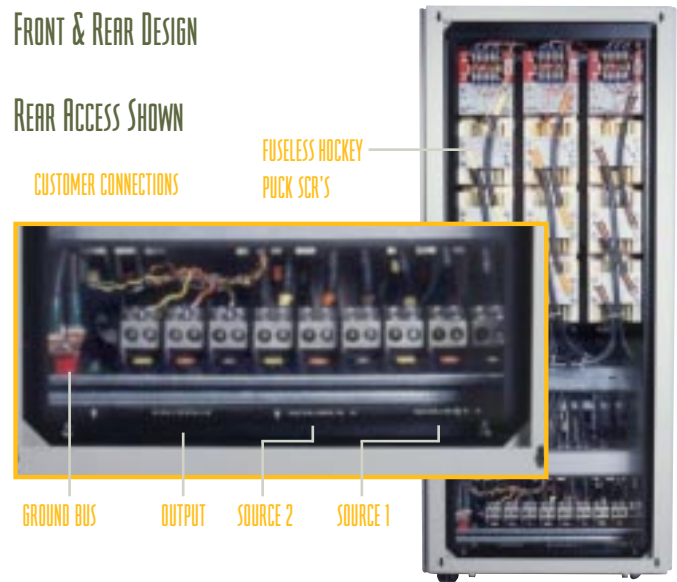
DIMENSIONS



CURRENT RATINGS	FRONT ONLY SWITCH				FRONT & REAR SWITCH				FRONT & SIDE SWITCH			
	WIDTH	DEPTH	HEIGHT	WEIGHT	WIDTH	DEPTH	HEIGHT	WEIGHT	WIDTH	DEPTH	HEIGHT	WEIGHT
100	30.5"	32"	83.25"	1150	33"	37.5"	74.75"	875	48"	37.5"	74.75"	925
250	30.5"	32"	83.25"	1175	33"	37.5"	74.75"	900	48"	37.5"	74.75"	950
400	30.5"	32"	83.25"	1200	33"	37.5"	74.75"	950	48"	37.5"	74.75"	1000
600	45.5"	32"	86.25"	1400	42"	37.5"	74.75"	1085	58"	37.5"	74.75"	1125
800	45.5"	32"	86.25"	1425	42"	37.5"	74.75"	1120	58"	37.5"	74.75"	1170

FRONT & REAR DESIGN

REAR ACCESS SHOWN



PDI

creating the perfect wave

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PDI SETS INDUSTRY STANDARD WITH RIGOROUS FIVE STEP QUALITY PROCESS

- 1 Vendor quality partnership using PDI-designed test equipment and procedures
- 2 Functional component testing
- 3 Component level tests in simulated STS environment
- 4 Module level tests
- 5 Verification of final product's system performance