

Features

- ▶ Patented algorithm ensures instantaneous transfers without cross connection of sources
- ▶ Redundant internal power distribution in all system control boards
- ▶ Enhanced monitoring and diagnostics enhance system availability by enabling quick response to events:
 - RS-485 interface with Modbus® protocol
 - System LCD control panel
 - Alarm, history and event logs
 - System mimic panel for visual indication with an audible alarm
- ▶ Design enables maintenance without affecting power to the critical load
- ▶ Digital signal processor-based for high reliability and site-adaptability

Powerware® Type I Static Transfer Switch

100A to 600A



In mission-critical environments such as data centers, telecommunication installations, ISPs, and government facilities, the reliable and seamless transfer of power is fundamental to meeting absolute uptime requirements. Powerware Type I Static Transfer Switches (STS) are high-speed open-transition switches that can transfer electrical loads from one AC power source to another in a fraction of a single electrical cycle. Because the Powerware Type I STS uses modular, cost-effective SCRs, it is fused for protection during a fault. When a downstream fault occurs, the fast-acting semiconductor fuse will open, protecting the SCRs from rupture.

Designed by Cyberex, an industry leader in static switch technology, Powerware Type I Static Transfer Switches provide state-of-the-art technology and reliability. By incorporating a Powerware STS into a facility's power infrastructure, many UPS/building system configurations become a possibility, ranging from single module reverse transfer systems up to full distributed redundant systems.

Standard Features

- ▶ 100% continuous rating
- ▶ RS-485, 4 wire interface with Modbus protocol
- ▶ Emergency 180° phase transfer
- ▶ Top or bottom cable entry
- ▶ Six plug-in circuit breakers (CBs)
- ▶ Total access to all power connections for infrared scans
- ▶ Design enables system maintenance without affecting power to the critical load
- ▶ Dual maintenance bypass with 4 kirk keys; protected to prevent operator error during bypassing operation
- ▶ System mimic panel for visual indication with an audible alarm
- ▶ System LCD control panel
- ▶ Alarm log, history, and event log
- ▶ Real-time event log with 10 microsecond resolution between events
- ▶ Redundant cooling with fan fail sensing
- ▶ Lowest MTTR
- ▶ Multiple levels of user, maintenance and factory password protection
- ▶ Digital signal processor based, fully digital controls for high reliability and site-adaptability
- ▶ Digitally controlled system setpoints
- ▶ Transfer count-date/time stamp
- ▶ Metering: kVA, kW, Ipeak, phase, current, voltage, frequency

MODEL CHART

Part Number ^①	Current ^② Amps	Voltage Volts	Access	Dimensions W"xD"xH"	BTU/Hr	Weight Lbs.
DSR1032626N065	100	208	Front/Rear ^③	24x30x62	494	910
DSR1032646N065	100	480	Front/Rear	24x30x62	1140	910
DSR2032626N065	200	208	Front/Rear	24x30x62	988	910
DSR2032646N065	200	480	Front/Rear	24x30x62	2279	910
DSR2532626N065	250	208	Front/Rear	24x30x62	1235	910
DSR2532646N065	250	480	Front/Rear	24x30x62	2849	910
DSS1032626N065	100	208	Front/Side ^④	24x30x62	494	910
DSS1032646N065	100	480	Front/Side	24x30x62	1140	910
DSS2032626N065	200	208	Front/Side	24x30x62	988	910
DSS2032646N065	200	480	Front/Side	24x30x62	2279	910
DSS2532626N065	250	208	Front/Side	24x30x62	1235	910
DSS2532646N065	250	480	Front/Side	24x30x62	2849	910
DSR4032626N065	400	208	Front/Rear	42x30x62	1975	1000
DSR4032646N065	400	480	Front/Rear	42x30x62	4559	1000
DSR6032626N065	600	208	Front/Rear	42x30x62	2963	1000
DSR6032646N065	600	480	Front/Rear	42x30x62	6838	1000

① 60 Hz applications with six (6) non-automatic circuit breakers rated 65 KAIC; consult factory for other configurations

② Continuous duty 100% rating

③ 36" or 42" clearance required in front and rear, per local building code

④ 36" or 42" clearance required in front and right side, per local building code

OPTIONS

- ▶ RS-232 communications interface with Modbus® protocol
- ▶ Metering: power factor, kVA demand, harmonic analyzer
- ▶ Emergency power off (EPO); remote EPO
- ▶ Control power in bypass mode

PRODUCT STANDARDS

- ▶ Conforms to NEMA standards
- ▶ UL 1008 listed
- ▶ Meets IEEE c62.41 and FIPS Pub 94
- ▶ Short circuit withstand: up to 65 kA at 480V
- ▶ Temperature: 0-40 °C
- ▶ Audible noise: <65 dBA @ 1 meter

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DST51FXA
Revised 09/02
Reprint 09/02

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