

Internet Series Automatic Static Transfer Switch (STS-I)



A vital component of the modern Internet data center is continuous power. Even the slightest power fluctuation can cause major operational interruptions with costly and disastrous consequences.

L-3 Communications Power Systems Group

world-recognized fault-tolerant static transfer switch (STS) technology is engineered to make the most of limited space and meet the on-line reliability

requirements of high-speed, high-volume Internet sites (ISP, ASP, networking, telecom and optical fiber). The STS-I automatically transfers critical loads from a primary power source to an alternate power source in the event of interruption or abnormal conditions in less than 1/4 cycle — appearing seamless to even the most sophisticated computer systems.

This is more than 16 times faster than traditional electromechanical switches.

The modular design of the STS-I separates its power electronics from the bypass system, maximizing isolation and ease of maintenance.

The STS-I is the industry standard

in cost-effective, space-saving power protection for Internet data centers.

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Standard Features:

- Automatic/manual transfer control
- Fault-tolerant transfer logic — no single point of failure
- 1/4 cycle transfer without cross connection for all conditions
- Transfer between dissimilar sources of power
- 5 breaker setup for isolation and bypassing of the system (6 breaker is optional)
- Non-fused hockey-puck SCRs (Type II operation)
- Large 5"x7" high-resolution, white-on black LCD panel
- Data logger
- Small footprint
- Redundant fans

- Automatic retransfer with adjustable time delay
- Open- and shorted-SCR detection
- Comprehensive metering and alarms
- UL-listed
- 560,000 hours MTBF
- Overvoltage and undervoltage

Support Services:

- Installation supervision and start up
- Site testing and training programs
- Spare parts
- Maintenance contracts

Applications:

- Internet data centers
- Corporate data centers
- Telecommunications centers

Options:

- Remote monitoring and BMS interface
- High-resolution, color LCD panel
- Dual-output circuit breakers
- Non-fused hockey-puck SCRs (Type III operation)

L-3 Communications Power Systems Group

901 E. Ball Road

Anaheim, CA 92805

Phone: 714.956.9200

800.777.4638

Fax: 714.533.1068

www.L-3com.com/PSG

