

Static Transfer Switch (STS)

from Maverick Power

Introducing the Maverick Power STS — a Static Transfer Switch that delivers seamless, sub-cycle power source transfers with a fully redundant architecture and a service-friendly design to protect mission-critical loads and maximize uptime.

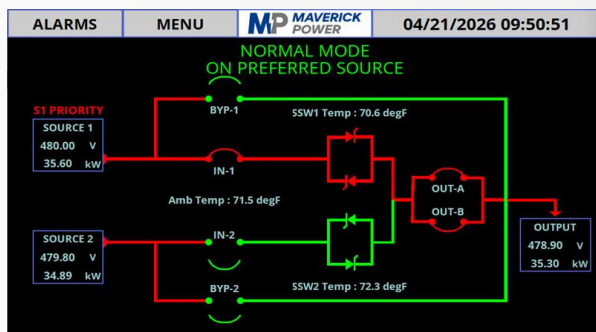


Industry Standard Power Transfers

By utilizing fast power electronics, the Maverick Power STS transfers between sources as fast as 4 milliseconds, providing a truly seamless power transfer.

Easy Access, Field-Replaceable Power Module

Designed to minimize downtime, the core power module in the Maverick Power STS can be replaced in less than 30 minutes, helping optimize mean-time-to-repair (MTTR). The integrated bypass function keeps connected loads powered during maintenance.



Robust Design and Performance

The Maverick Power STS uses a fully redundant internal design to help eliminate single points of failure, while a fully rated SCR helps ensure unrestricted continuation of operation.

Redundant Design

- Dual, independent power paths
- Fully redundant DC power bus
- Triple-redundant power supplies
- Redundant dual microprocessor PCBs and SCR drivers

Maximum Uptime

- Sub-cycle transfer performance
- Advanced Transformer Switching Management (ATSM) limits magnetic inrush
- Fault-tolerant design
- Real-time SCR fault sensing
- Continuous internal sensor monitoring

Safety

- Removable molded case switches
- Kirk key interlock bypass system
- Hot-swappable fans and power supplies
- Cold-swappable STS module
- Front-only access allows installation directly against walls or adjacent equipment. Ideal for skid-mounted systems or compact electrical rooms.

Standards & Compliance

- UL 1008S Listed (Solid-State Transfer Switch)
- FCC Part 15, Subpart B – Class A Digital Device (EMI Emissions)
- FCC Part 15, Class A

Key Specifications

Specification	Value
Capacity (Amps)	400, 600, 800, 1000, 1200
Voltages (VAC)	208-480, 380-480
Frequency (Hz)	50/60
Transfer Time	¼ cycle for non-ATSM switching
Short Circuit (kAIC) @ 480 VAC	50 (standard), 65 (high), 100 (very high)
Cable Entry	Top or bottom
Color	Black
Enclosure	NEMA 1
HMI	7-inch color touchscreen
HMI Communications	Modbus TCP/IP, Modbus RTU, EtherNet/IP

Dimensions

Type	Rating (amps)	H x W x D inch (mm)
STS3A04, STS4A04, STS3A06, STS4A06	400, 600	84 (2134) x 48 (1219) x 32 (803)
STSA08	800	79 (1984) x 65 (1651) x 35 (889)
STSA10, STSA12	1000, 1200	92 (2330) x 65 (1651) x 35 (889)