

STATYS™ PS Series (400A, 600A)

STATIC TRANSFER SWITCH WITH SMALL EFFECTIVE FOOTPRINT, REDUNDANT DESIGN AND SAFE MAINTAINABILITY FEATURES

APPLICATION

The STATYS PS Series (Models: 400A, 600A) offers a range of high performing static transfer switches (STS).

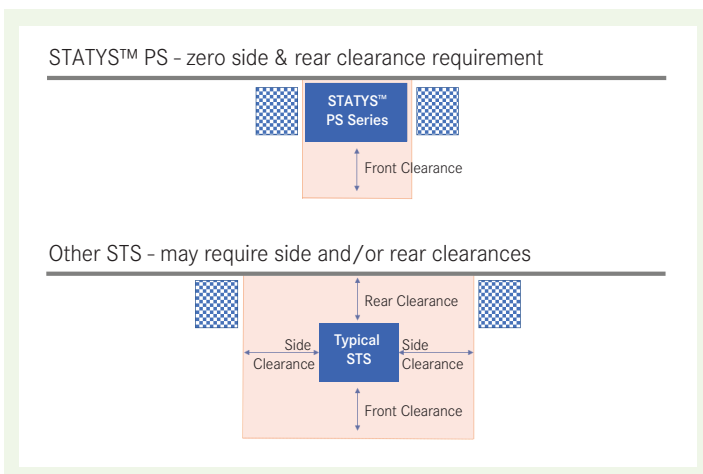
The STATYS PS is designed to protect critical and sensitive appliances in IT, telecom and industrial applications. Use this system to protect critical enterprise servers, storage systems, networking equipment, telecommunications systems, diagnostic/medical devices and more.

STATYS PS has been designed to minimize overall footprint, since only front access is required for installation, operation and maintenance.

A key feature of the unit is that all key components have been designed to be easily replaceable, minimizing downtime and Mean Time To Repair (MTTR).

INNOVATIVE DESIGN

- Front-only access for installation, operation & service
- Zero side & rear clearance requirement, minimizes effective footprint
- Designed for easy field replaceability of modules (low MTTR)
- Unique rack-out and replace of entire STS power module
- Pluggable, molded case switches
- IR view port options for effective preventative maintenance
- Skidless packaging designed for pallet truck handling
- Advanced Transformer Switching Management (ATSM)
- Proprietary software algorithms manages inrush currents



REDUNDANT DESIGN

- Redundant control system using dual microprocessor PCBs
- Triple redundant power supplies
- Redundant SCR drivers
- Real-time SCR fault detection
- Partitioning of functions to mitigate fault propagation
- Robust internal field communication bus
- Internal monitoring of sensors to ensure maximum system reliability
- Flexible digital control capacity
- Capacity of transfer between unsynchronized sources



SOLUTIONS FOR

- Mission Critical
- IT / Data Centers
- Commercial & Industrial, Healthcare, Finance, Utility

FEATURES

- Zero side and rear clearance requirement
- Low Mean Time to Repair
- Safe Maintainability
- Redundant Design

CERTIFICATION

- C/UL Listed

OPTIONS

- Dual output molded case switches
- Bottom cable entry
- Expandable I/Os

SAFE MAINTAINABILITY

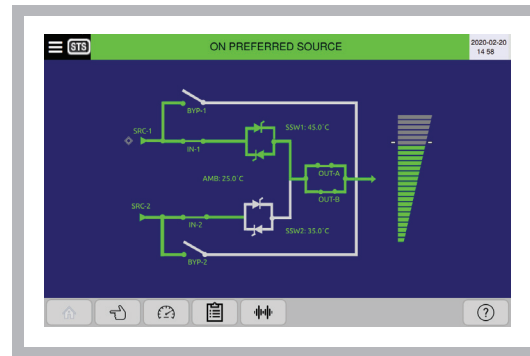
- Pluggable, molded case switches, 100% rated
- Kirk-key interlock system
- Available redundant output molded case switches
- HMI guided bypass procedure
- Hot-swappable fans
- Hot-swappable power supplies
- Cold-pluggable power module

STANDARD FEATURES

- 3-pole, 3 wire configuration
- 3-pole + neutral configuration
- 4-pole (switched neutral) configuration
- User settable transfer modes to match load requirements
- Hi-res colour touch screen with real-time mimic diagram
- Waveform capture
- 100kA interrupt capacity (UL rated)
- Modular press pack SCR construction
- Hot-swappable power modules

COMMUNICATION

- Modbus TCP
- Webpages, javascript, HTML
- I/O dry contact interfaces
- Expandable communication slots
- Software setup tools for user configuration



HMI in Normal Use: 'On Preferred Source' with all breakers closed except BYP-1 and 2

TECHNICAL SPECIFICATIONS

Installation Parameters

Model (A)		400	600
Maximum current on neutral (A)		680	1020
Crest factor		<3.5	
Dimensions	Width	61 in. (1547 mm)	
	Depth	40 in. (1004 mm)	
	Height	84 in. (2132 mm)	

Electrical Characteristics - Operating

Rated Voltage	480V
RMS Voltage Tolerance	+/- 10% (user settable)
Transient Tolerance	+/- 25% (user settable)
Rated Frequency	50/60Hz
Frequency Tolerance	+/- 5Hz (user settable)
Power Factor	No Restrictions (-0 to 1.0 to +0)
Overload Capacity	110% for 60 minutes
	125% for 30 minutes
	150% for 2 minutes
Operating Temperature	0 to +40°C (32 to + 104°F)
	up to 50°C with derating
Storage Temperature	-25 to +70°C (-13 to +158°F)
Maximum Relative Humidity (non-condensing)	95%
Maximum Altitude without Derating	1000m
Enclosure Type	UL Type 1
Efficiency	99% @ full load



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