



Highlights

- 19" Rack Cabinet
- LED Mimic Diagram
- Thyristor Controlled
- Uninterruptible Transfer
- Internal By-pass Switch
- Generator Compatible
- Synchronous/Asynchronous Transfer
- RS485 and Dry Contact
- Source Priority Selection
- Manual and Automatic Transfer
- Visual and Audible Alarms
- Overload Protection
- Easy Maintenance
- High Efficiency
- Transfer to the Second Source Less Than 4 ms
- Double or More Input Source
- 2 Years Warranty

Hyperion 19" Rack Static Transfer Switch (STS)

Technical Specifications

GENERAL		
Phase	Single-Phase	Three-Phase
Technology	Thyristor Controlled	
Transfer Type	Make Before Break	
INPUT		
AC Voltage	220/230/240 Vac (or 110/120/127 Vac)	380/400/415 Vac (or 208/480/600 Vac)
Voltage Tolerance	±15%	
Frequency	50 Hz / 60 Hz ±10%	
Type	1 Pole P / 2 Poles P + N	3-Poles: 3 P / 4-Poles: 3 P + N
Preferred Source	Source Selection Button	
Input Protection	Low/High Voltage Alarm	
OUTPUT		
Output Voltage	220/230/240 Vac (or 110/120/127 Vac)	380/400/415 Vac (or 208/480/600 Vac)
Output Accuracy	±1 V	
Visual Alarms	Fault LED	
Audible Alarms	Beeping	
Operation Type	Continuous Working	
Synchronous Transfer	< 4 ms (less than ¼ cycle at 50 Hz)	
Controlled Transfer	< 1 ms	
Distribution	IT, TT, TNS, TNC	
Power Supply	Internal Power Supply	
Maintenance Bypass	1-0-2 Manual Switch Selector	
Transfer Type	Automatic and Manual	
Overload Operation	100% - 125% load: 10 sec	
Output Protection	Overload Protection	
Efficiency	>99%	
CONTROL PANEL		
Display	Mimic LED Diagram	
Functions	Preferred Source Selection, Manual Bypass for Input Sources	
Buttons and LEDs	Cancel Alarm, Preferred Source Indicator, Active Source Indicator Selected Source Indicator, Output Active Indicator	
Event Log	Not Included	
COMMUNICATION		
Standard	Dry Contact Relays, RS485 MODBUS	
Optional	SNMP, CANBUS, Profibus, IEC 61850, RS232, USB	
PC Connection	PC Software	
SAFETY and STANDARDS		
Over Voltage	IEEE 587 4500 A	
Interference Reduction	Class B	
Standards	IEC 62040-1-2-3, EN 50091-1 (Security), EN 50091-2 (EMC), ISO 9001, CE	
ENVIRONMENT		
Heat and Humidity	-10 C° / + 60 C°, 0 - 90% (non-condensing)	
Noise Level	Less than 50 dB	
Protection Level	IP21 Indoors	
Cooling	Forced Air Cooling with Axial Fans	
Parallel Working	Available	

General Features

Hyperion Series 19" Rack Mountable STS is a scalable, light-weighted, small footprint solution designed to be installed in server racks, work stations and marine vessels.

Hyperion Series STS provides instantaneous transfer between 2 power sources in less than 4 ms. If one power source fails, the STS switches to the back-up power source so fast that the load never recognizes the transfer. Single-phase models have 2U height and three-phase models have 4U height 19" enclosures to run your critical loads in small spaces.