



## Hyperion Tower Type Static Transfer Switch (STS) Technical Specifications

GENERAL		
Phase	Single-Phase	Three-Phase
Technology	Thyristor Controlled	
Transfer Type	Make Before Break	
INPUT		
Source Voltage	220/230/240 Vac (or 110/120/127 Vac)	380/400/415 Vac (or 208/480/600 Vac)
Voltage Tolerance	±10%	
Frequency	50 Hz / 60 Hz ±10%	
Type	2 Poles (P + N)	3-Poles: (3P) / 4-Poles: (3P + N)
Preferred Source	Source Selection Button	
Input Protection	Overload, Over Voltage	
OUTPUT		
Output Voltage	Same as the Active Input	
Output Accuracy	±1 V	
Operation Type	Continuous Working	
Maintenance Bypass	1-0-2 Manual Switch Selector	
Transfer Type	Automatic and Manual	
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	
Visual Alarms	Fault LEDs	
Audible Alarms	Beeping	
Overload Operation	100% - 125% load: 1 min, 125% - 150% load: 10 sec, > 150% load: 3 sec	
Output Protection	Circuit Breaker, Over Current, Over Temp, Short Circuit	
Efficiency	>99%	
CONTROL PANEL		
Display	Graphical LCD Panel	
Parameters	Source Selection, Preferred Source	
Optional Display	AC/DC Voltage, Frequency, Input/Output Current Operation Time (S:M:H)	
Event Log	256 Events Recorded (Optional)	
COMMUNICATION		
Optional	Dry Contact Card (up to 4 adjustable relays), RS485 MODBUS SNMP, CANBUS, Profibus, IEC 61850, RS232, USB	
Connection	PC Software	
SAFETY and STANDARDS		
Over Voltage	IEEE 587 4500 A	
Interference	Class B	
Safety	IEC 60950-1	
Standards	IEC 62310-1-2-3, ISO 9001, ISO 14001, CE	
ENVIRONMENT		
Heat and Humidity	-10 C° / + 60 C°, 0 - 90% (non-condensing)	
Noise Level	Less than 55 dB	
Protection Level	IP21 Indoor Type, IP56 Outdoor Type	
Cooling	Forced Air Cooling with Fans	

### Highlights

- Standalone Cabinet
- Graphical LCD Panel
- Thyristor Controlled
- Uninterruptible Transfer
- Synchronous/Asynchron Transfer
- Dry Contact and Modbus
- Source Priority Selection
- Automatic and Manual Transfer
- Status and Alarm Messages
- Internal By-pass Switch
- Easy Maintenance
- High Efficiency
- Transfer to the Second Source in Less Than 4 ms
- Calibration of Measurements from Front Panel
- Double or More Source Selection
- 2 Years Warranty

### General Features

Hyperion Series Tower Type STS is a standalone solution designed for high current loads, industrial sites and other applications where the STS needs to be installed on a flat floor.

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. LCD display and adjustable output voltage provides easier control for standalone models.