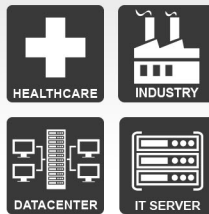


# STS Static Transfer Switch 50-600A



## Applications



## Redundant System

Power is supplied by 2 separate supply circuits that are fully independent and that can be replaced during normal operation (hot replacement mode) without any risk of causing power supply interruptions to the load. In the unlikely event of a failure at one of both power supplies, the full operation is provided by the “Power Supply Backup” function, which offers auxiliary power supply to the circuits from an external, independent power source. The STS is equipped with a redundant ventilation system.

## Specifications

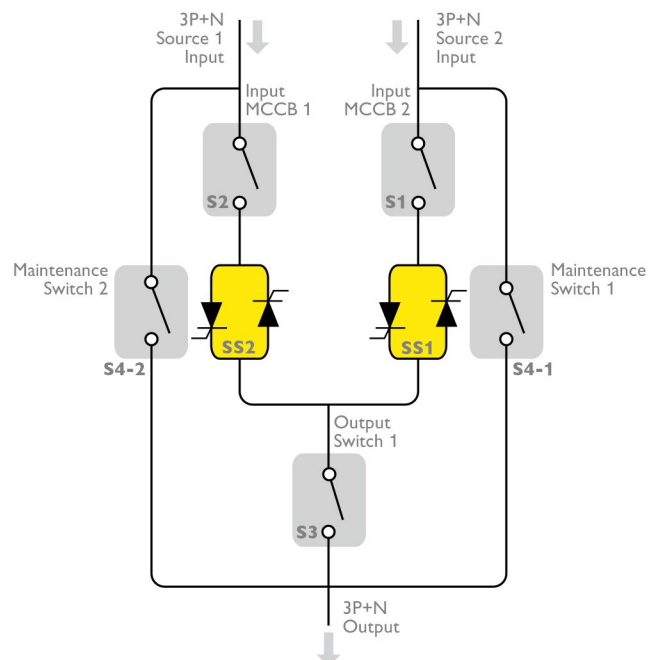
- High reliability
- Increase of the power quality
- Hot swap function (electronic)
- Automatic static switching
- Superior short circuit protection
- Protection against power supply faults
- Protection against overloads and load faults
- Redundant power mode
- Total control by microprocessor
- Advanced communication LCD display such as status, alarms, information...
- Power event log

### Options:

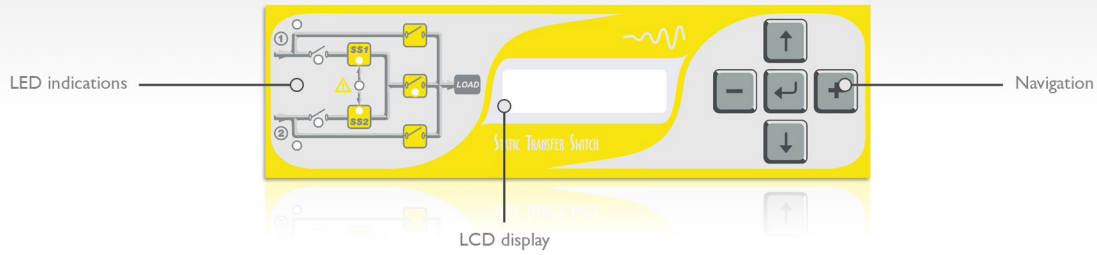
- RS485
- TCP/IP connection
- 2 serial ports
- 2 years warranty

## Working Principle

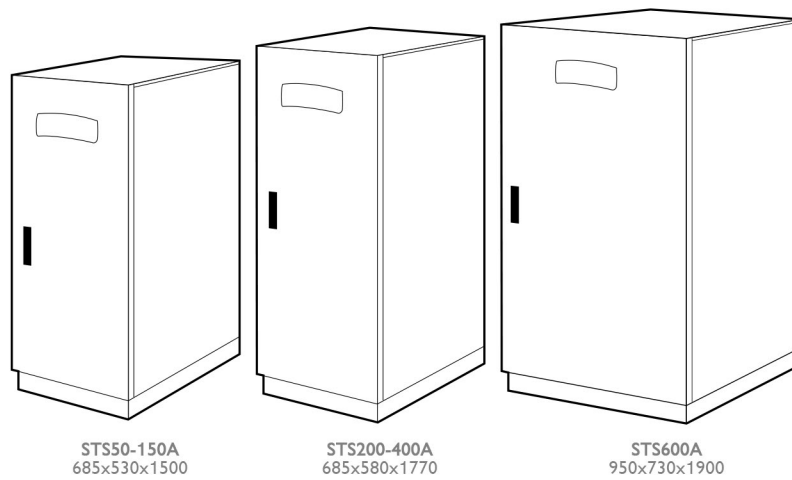
The Vision STS allows the load to switch between alternative and independent power sources for guaranteed redundant power. The switch can be automatic (when a source falls outside the acceptable tolerance) or manually through the front panel control.



STATIC TRANSFER SWITCH



### 3 different sizes



STS	Model							
	STS50	STS100	STS150	STS200	STS250	STS300	STS400	STS600
Nominal current	50A	100A	150A	200A	250A	300A	400A	600A
<b>— Input</b>								
Nominal voltage	380-400-415Vac 3phase + N							
Voltage range	180-264 Vac selectable (Phase to neutral)							
Switched input phases	3ph or 3ph+N							
Frequency	50/60Hz							
Frequency range	+/-10%							
Compatibility	TT, IT, TNC, TNS							
<b>— Electrical</b>								
Transfer type	“break before make” by electronic thyristor							
Available transfer methods	Automatic / manual / remote							
Transfer time	<4ms (S1/S2 synchronised) and 10ms (S1/S2 non-synchronised)							
<b>— Environment &amp; communication</b>								
Efficiency at full load	>99%							
Audible noise at 1m	55dB							57dB
Operating temperature	0°C - 40°C							
Humidity	95% non-condensing							
Altitude	Max 4000m							
Standards	EN62310-1 & EN62310-2							
Interface	RS485, TCP/IP, 2 serial ports							
<b>— Physical</b>								
Weight (kg)	140	155	160	205	210	235	240	375
Dimensions, WxDxH (mm)	685x530x1500			685x580x1770			950x730x1900	
IP	IP20							

STATIC TRANSFER SWITCH