



ACT GREEN

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# Static Transfer Switch

STS-16

Provide redundant power and ensure high availability for entry-level networking equipment, high-density server and blade environments

Horizontal and vertical Rack-Mounting capability

Break before make transfer mode

Seamless power transfer

Redundant power supply (from input Source 1 & Source 2)

Wide range of input and output connections

Different setting to adjust the voltage failure sensing level (+/- 12% ~ +/-20%)

Ability to be supplied by N/Ph1 and N/Ph2 from a three phase supply

Multiple outlets eliminating the need for a secondary rack PDU

Effective solution for maintenance bypass needs

Robust out-of-phase switching

Back feed protection (according EN62310-1)

Complete protection for overload and short-circuit

LED indicators

Visual and audible alarm

Continuous source and output current detection

RPO contact

Smart RS-232, dry contact and SNMP communication port



**YOUR ULTIMATE**  
POWER PROTECTION PARTNER

**PCE**  
UPS SYSTEMS

# Technical Specifications

## STS-16 Series

Model	STS - 16	
<b>Input</b>	Voltage	220/230/240V Selectable
	ATS Working Range	160~290V
	Input Voltage acceptable window	+/-12%~+/-20% adjustable (default:+/-12%)
	Nominal Current	16 Amp
	Frequency	50 or 60Hz +/- 15%
	Inlet	IEC 320-C20x2
<b>Output</b>	Voltage	220/230/240V Selectable
	Frequency (Back up Mode)	50 or 60Hz
	Output Current	16 Amp
	Transfer Time	1 ms typical
	Outlet	IEC 320-C19x1/IEC320-C13-3x2
<b>Protection</b>	Overload Capability	101~125% for 12 sec, 126~150% for 8 sec, 151~210% for 4 sec, 211~300% for 2 sec
	Output Short Circuit	Complete protection by input fuse (with fuse holder accessible)
<b>System Display/Warning</b>	LED Indicators	Preferred source (S1/S2), Line status (S1/S2), Output power state (supply load from S1/S2), fault conditions
	Fault (F1 Indicator)	Overload fault, Output short circuit, Input source relay fault, EPO active
<b>Communication</b>	RS-232, Dry contact	Monitoring of system information
	SNMP Card (Optional)	Remote Monitoring capabilities in SNMP based networks
<b>Physical</b>	Net Weight kg (lbs)	8(17.6)
	Dimensions (WxDxH) mm (inch)	430 x 315 x 44 (16.9" x 12.3" x 1.73")
	Color	Silver RAL 9006
	Structure	Rack Mount Unit (1 U)
<b>Environment</b>	Operating Temperature	0°C to 40°C
	Storage Temperature	-25°C to 70°C
	Operating Humidity	20-85% humidity non-condensing
	Altitude	≤1000m
	Audible Noise	25dBA (max.)
	Cooling	Natural cooling
	IP Protection	IP30
<b>Standards &amp; Certifications</b>	Safety	EN 62310-1
	EMC (EMS/EMI)	IEC 62310-2,C1;IEC61000-4-2 level 3;IEC61000-4-3 level 2 (Lab.); IEC61000-4-4 level 2; IEC61000-4-5 level 3; IEC61000-2-2 LF Immunity; IEC61000-4-6 level 2(Lab.); IEC61000-3-2 harmonic (Lab.); IEC61000-3-3 Flicks
	Marking & Certifications	CE

