



STS



STS

- Provides redundant power to single-input equipment by managing two separate, independent power sources.
- Maximum automatic transfer speed between two sources: ≤ 5 ms for the 63 A versions, ≤ 4 ms for the 100 A to 1250 A versions.
- Maximum protection: it automatically inhibits the transfer in the event of a downstream short circuit, preventing damage to both sources.
- Total source independence and internal redundancy on all components including bypass, power supplies, cooling systems etc. ensures maximum continuity to the connected loads.
- Direct front access to all components and separate dual manual bypass guarantee easy and safe maintenance.
- Continuous input voltage and frequency monitoring to allow safe switching without source cross-overs.
- Real-time SCR status detection and backfeed protection for maximum upstream system safety.
- Circuit breakers for improved protection in all conditions.
- RS232, RS485 ModBus ports, dry contacts and slots for optional communication card.

Key options

- Additional dry contacts card.
- Operation without neutral.
- Isolation transformer.
- Top cable entry.
- 4-pole configuration with switched neutral.

STS Central static transfer systems for maximum availability in critical applications

High performance: maximum transfer speed, high power management and high overload capacity.



Applications

- Data centres
- Telecommunications and broadcasting equipment
- Industrial applications

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STS TECHNICAL DATA SHEET

MODEL		STS 100A-3p	STS 250A-3p	STS 400A-3p	STS 630A-3p	STS 800A-3p	STS 1000A-3p	STS 1250A-3p
SIZE (A)		100	250	400	630	800	1000	1250
INPUT	Terminal block	4-wire terminals						
	Rated voltage	208/380/400/415/440/480 Vac three-phase with neutral						
	Voltage tolerance	±10% (up to ±20% on request)						
	Frequency	50/60 Hz, ±2 Hz (up to ±4 Hz on request)						
	Source harmonic voltage content	Unlimited (>20%THD, switching time ≤10 ms)						
	Switching phase angle	5° to 30°						
OUTPUT	Terminal block	4-wire terminals						
	Frequency	50/60 Hz						
	Switching time	≤4 ms						
	Switching type	Break before make, switching inhibited on fault						
	Power factor	1 to 0.3						
	Maximum crest factor	3:1						
	Load current distortion	Unlimited						
	Permissible overload	125% for 30 min, 150% for 10 min, 200% for 30s, 2000% for 1 cycle, 4000% for 1/2 cycle						
EFFICIENCY	(AC/AC)	>99%						
GENERAL	Dimensions (WxDxH) mm	820x835x1475			1220x860x1900			2000x1000 x2100
	Weight (kg)	265	290	305	615	660	1000	1450
	Protection	IP20						
	Installation layout	Wall mounting, back to back, and side by side						
	Access	Front access, top and bottom cable entry						
ENVIRONMENTAL PARAMETERS	Operating temperature	0°C to +40°C						
	Altitude (a.s.l.)	<1000 m with no power derating, >1000 m with 0.5% derating for every 100 m						
	Audible noise at 1 m	≤62 dBA						
CONNECTIVITY	User interface	LCD graphic display, LED synoptics and function keys						
	Built-in communication ports	Relay contact card, RS232, RS485, ModBus-RTU adapter						
	Optional accessories	Additional relay contact card						
REGULATIONS	Standards	IEC EN 62310-1, IEC EN 62310-2, IEC EN 62310-3, IEC EN 62947-3						
	Marking	CE, UKCA						



**Innovative solutions
for maximum protection,
control and unparalleled
power quality**



ESP
Active filters

STS



ATS
Active transfer switches



BMS
Battery monitoring system



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