APS-STS 1P

Static Transfer Switches

ABOUT PRODUCT

The APS- STS 1P allows for instantaneous transfer of power sources to the load. If one power source fails; the transfer time is so fast that the load nerve recognizes the transfer made, ensuring effective A+B redundant topology. The APS- STS 1P is ideal for an IT environment or Data Centre where power source is critical. The compact design is suitable for mounting into 19”Data Cabinets.

PRODUCT PERFORMANCE

The APS – STS 1P features high overload capability for short time events. It operates with a single phase output with two pole static transfer switches. An integrated interface allows for remote monitoring of input power sources. Ideal for power event logging and interrogating. The system can be deployed in a hot swappable connection with the add on connection tool.

MAIN FEATURES

- Increased power quality
- Increased noise reduction
- Power blackout protection
- Power redundancy
- Automatic static switching
- Easy static and mechanical transfer to input sources
- Remote management of power events
- Output current capability up to 1000% for short periods
- 19” rack cabinet
- Hot swap option
- Manufactured according EC Directive EN 62310
- 10 year spare part support
- 2 year warranty

CE

POWER SOLUTIONS antipodes

1/16 Juna Drive, Malaga, WA 6090, Australia

P +61 8 9248 6398 M +61 410 365 289 E marco@antipodespower.com

www.antipodespower.com

ABN 11 616 890 183

APS- E Solar Communications

Ethernet Module

TECHNICAL SPECIFICATIONS

Model	DLT STS 2032	DLT STS 2063	SLT STS 2120
Nominal Current	32A	63A	120A
Electrical Data			
Input Voltage	220/ 230/ 240 VAC 1P + N + G		
Input Voltage Range	180 - 264 VAC (Ph-N)		
Input Frequency	50 Hz/ 60 Hz		
Input Frequency Range (Operational Range Adjustable)	46-54 Hz (For 50 Hz)		56-64 Hz (for 60 Hz)
Transfer Type	"Break Before Make"		
Transfer Methods Available	Automatic/ Manual/ Remote		
Transfer Control	Synchron		
	With adjustable delay (non-synchron)		
	Zero current (non-synchron)		
Transfer Time	≤ 4 msec for synchronous sources		
	≤ 10 msec for non-synchronous sources		
Switching type	1 Phase + Neutral Switching (2-Poles)		
Output current crest factor	3:1		
Admissible overload	0 - 100% continuous		
	101 - 150% 1 minute		
	151 - 200% 10 seconds		
	> 200% 250 msec		
Protections	Output overload and short circuit protection, over temperature protection, backfeed protection		
LCD panel and mimic	Standard		
Communication	RS232 standard RS485		
TCP/IP Connection	Optional		
Dry Contacts	3 Programmable relay outputs		
Breaking current capacity (SW1, SW2)	10 kA		
Environmental Data			
Cooling	Forced cooling (redundant fans)		
Cooling air direction	From front to rear		
Cooling air temperature	0◦C - 40◦C		
Storage temperature	- 10◦C up to 50 ◦C		
Relative humidity	90% max (non-condensing)		
Protective degree	IP20		
Standards	EN62310-1, EN62310-2		
Max Operation Height	1000m at nominal current rating		
Acoustic noise	< 50		< 52 dBA
Mechnical Data			
Weight (kg)	12	13	20
Dimensions	2U (19" rack), depth 530mm		3U (19" rack), depth 590mm
	(Hot-swappable 630mm)		(Hot-swappable 630mm)
Power cables connection	Clip-on terminals (on real panel)		

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