



iSELEX static transfer switch



Model STA series Static transfer switch with LCD monitor

### Introduction:

iSELEX by KEPBER -Static Transfer Switch (STS) manages the redundancy of the power supply system which composed of two independent powers to get a continuous and reliable power output. It can be pre selected the two inputs as default primary and backup source. In the event of primary source power failure, STS will immediately switch to the backup power source automatically. The design of this STS ensures seamless transfer between 2 input sources as well as having the capability to prevent over current or over voltage from occurring.

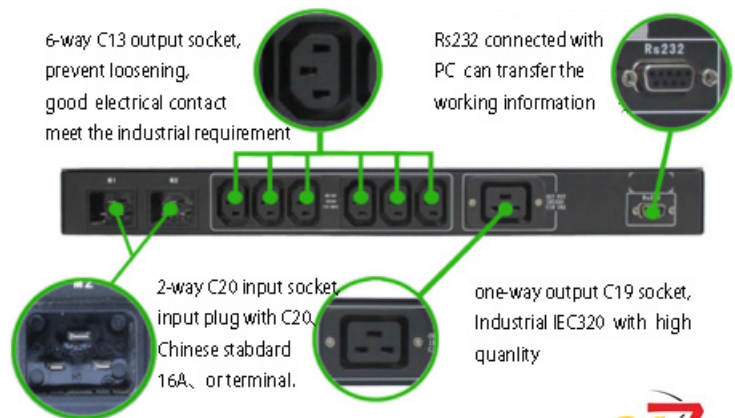
iSELEX by KEPBER is a kind of switch of fast load transfer, its minimum transfer time is 3ms and it is applicable to the real load transfer in the same phase and the different phases. Except the fast load transfer, the many sets of STS can be connected together to synthesis the n+1=1 circuit output, which can enhance the safety of the power supply. STS owns the small volume and friendly human and computer interface leaves you a smart and harmonious feeling.

### How it's work ?

Data centers typically isolate the critical load and may employ STS with dual-redundant UPS as the power sources. An industrial plant may choose to use STS with dual-redundant UPS as the power sources. An industrial plant may choose to use STS on isolated groups of critical process equipment with UPS as the power sources.

### Features

- Dual input static switch.
- Wide power adaptability.
- Transfer time less or equal to 6 ms.
- User selectable priority of supply.
- Over current and lightning protection.
- RS232 and status output interface.
- fastest transfer (<3 ms) in the same phase and difference.



### Performance features:

- 1, Fast load transfer: iSELEX-STA series can reach the fastest load transfer (<3 ms) in the same phase and different phases
- 2, Priority of supply: iSELEX-STA series can be set by the users automatically.
- 3, Protection function: When the overrun protection of output current is 110%, the impact capability will input the over current in 4: 1 and conducts the lightning protection.
- 4, Friendly human and computer interface: iSELEX-STA series provides the LED operation dynamic status and LCD provides parameters of electric quantity and the display of the equipment operation.
- 5, Fault alarm: When there is something wrong with the environmental electric quantity and output electric quantity, the equipment will start the audile and visual alarm and the alarm will stop automatically 90 seconds later.
- 6, Multi-functional interface: The products of this series own the PC connection interface (RS232) and connect the interface of the dry contact.
- 7, Reliable connection of output: Standard IEC320 C13 and C19 output interface make the connection of PDU power socket convenient.

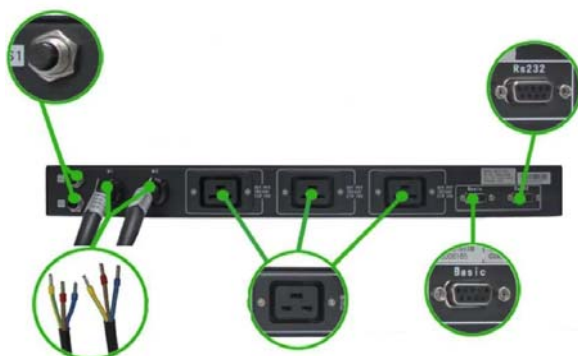




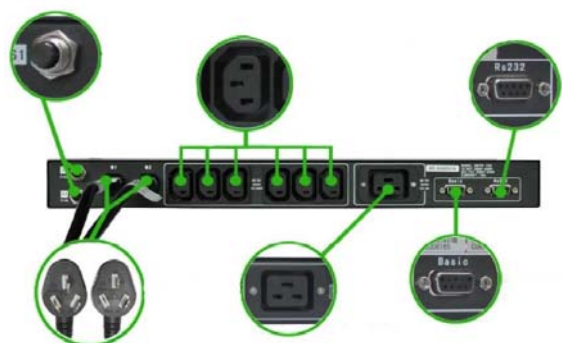
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### Technical specification

Model	STA-16A	STA-25A	STA-30A
<b>Power rating</b>	3.5KW	5.5KW	6.6KW
<b>Rated Current</b>	16A	25A	30A
<b>Switch Time</b>	≤5ms		
<b>Output outlet</b>	IEC C13,C19	IEC C13,C19	IEC C13,C19
<b>Priority</b>	Automatic setting		
<b>Input</b>	Scope of input voltage of M1circuit	120VAC/220V	
	Scope of input voltage of M2 circuit	120VAC/220V	
	Scope of input frequency	50HZ-60HZ	
	Power environment	Same phase and different phases	
<b>Output</b>	Scope of output voltage	120VAC/220V	
	Output over current	110%	
	Output efficiency	≥98%	
<b>Managemen</b>	Status display	Display of LCD electric quantity parameters, display of LED status	
	Interface managemen	RS232 interface/interface of dry contact	
	Software	Yes	
<b>Protection</b>	Power surge protection	Input M1/input M2	
	Communication surge protection	RS232 interface/interface of dry contact	
	Overload short circuit protection	Over current short circuit protector	
<b>Standard Recognition</b>	Design and production	ISO9001:2000	
	Safety certificate	EN50091-2,IEC60950	
	Electromagnetic compatibility	EN50091-2,EN61000-3-2,EN6000-4-2/-3/-4	
<b>Environment</b>	Environmental temperature	-30°C to 60°C	
	Environmental humidity	0% to 90%	
<b>Physical property</b>	Size of machine	1U×19 Inches(482×250×44.5mm)	
	Size of package	540×360×110 mm	



Model STA -16A



Model STA -32A