



E-STS Series

Customization Oriented
High Stability
High Reliability

Typical applications:

- Industrial application
- Semiconductor plant
- Computer room
- Data center
- Precision instrument
- Intelligent equipment



Three phases static transfer switch system



E-STS Series

High-end intelligent power protection solution

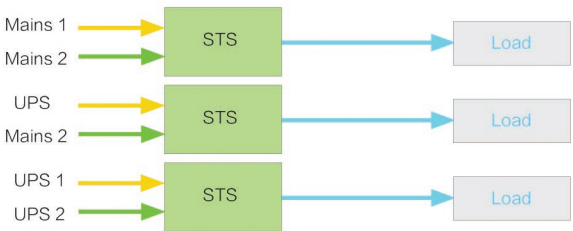
THE E-STS Series is (Static Transfer Switch) an automatic transfer system with two AC power inputs and one output. In normal condition, if the input voltage is in normal range, the load will be connected to the main power. When the main power fails, the load will be transferred to secondary input power, and it will return normal condition automatically when the main power recovers.

Applications

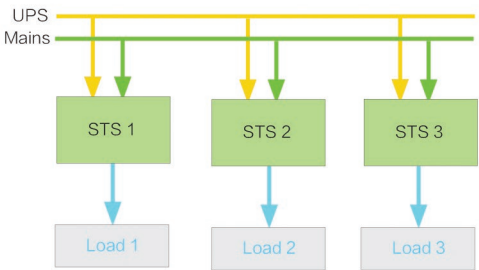
E-STS is applied for various important power supply environments, such as computer systems, working and fire fighting in buildings, hospitals, malls, hotels, highway, tunnels, subway, light rail, airport, electric power system, finance, telecommunication and so on.

Three common application modes are as below:

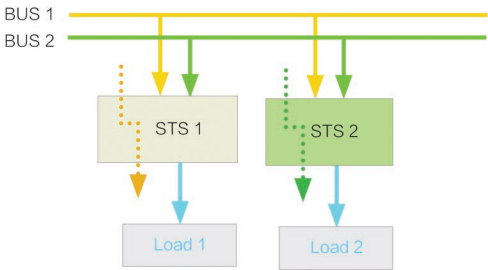
- Dual power supply application



- Concentration power supply application: E-STS is used for power distribution and increasing the reliability



- Dual BUS power supply application





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Features and Advantages

Strong adaptability for input power

- Strong adaptability of input voltage system: 190/208/220/380/400/415Vac
- Wide input range: For 190/208/220Vac system: 90–264Vac; For 380/400/415Vac system: 304–495Vac
- Self-adaption for 50/60Hz

Accurate synchronized detection system

- Maximum synchronize phase difference for two AC input power: 10°
- 4ms transfer time in synchronized condition
- Over zero transfer in non-synchronized condition

Human machine interface--Lovely touch screen

- 7 inch touch screen
- Real time working status and parameters display and record
- 1000 pcs alarm event logs
- USB communication interface for data backup

Your choice for main input power source

- Selectable for main input power
- Easy for manual output conversion

Perfect protection function

- Power failure, input surge, input collapse and overload protection etc.

Remote monitor via RS485

- Support power monitoring software
- Grid condition and STS working status remote monitoring

Options---- Added-value service

- Surge protection device
- Water proof cover (IP21)



Surge protection device



Water proof cover (IP21)



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Technical Specifications

Model		E-STS33063	E-STS33100	E-STS33200	E-STS33250	E-STS33400
INPUT	Input source	Two – routes three-phase power sources				
	Input way	3 ϕ +N+PE or 3 ϕ +PE				
	Rated voltage	190/208/220/380/400V/415Vac				
	Rated frequency	50/60Hz				
	Input voltage range	± 15%				
	Input frequency range	± 10%				
OUTPUT	Current rating	3 phases, 63A	3 phases, 100A	3 phases, 200A	3 phases, 250A	3 phases, 400A
	Overload capacity	< 150% With load for long time				
		150%~170% ,15 minutes ; >170% 1.5 seconds				
	Efficiency(100%linear load)	98%				
OTHER	Synchronization transfer	Representative value: 4ms				
	Frequency range	Input frequency range: ± 0.5 Hz				
	Synchronization window	± 10°				
	Operating temperature	0℃~40℃				
	Humidity	0%~95%(non-condensing)				
	Altitude	≤ 3000 m				
	Noise	< 55dB				
	Protection level	IP20				
	EMC	Complies with CE(EN / IEC 62040–2)				
	Safety and regulatory	Complies with CE(EN / IEC 62040–1)				
	Dimensions(mm) (W × D × H)	600mm × 800mm × 1600mm				
	Weight(kg)	125 kg			135 kg	
	Alarm	Abnormal AC input, SCR short or open, overloads etc.				
	Protection	Overloads, short circuits ,over temperature, input over/under voltage, input over/under frequency etc.				
	Communication	RS485				

◆ Specifications are subject to change without prior notice.

