



# Static Transfer Switch

## Standard Features

- Ultra Fast,  $\frac{1}{4}$  cycle transfer between AC sources
- All solid state switching devices (no contactors or relays to fail)
- Selectable manual or automatic transfers
- Industrial design for high reliability
- Break-before-make switching eliminates risk of an out-of-phase transfer between sources
- Preferred input source selector switch
- Integral surge suppression on both input sources
- User friendly status display
- Selectable transfer times for delayed transfer requirements
- Alarm interface form "C" contacts
- Rack or wall mount NEMA 1 enclosure



Single and Dual Pole Models

The LTI static switch will provide virtually uninterruptible power to any critical load by automatically or manually selecting between one of two AC input sources. If the preferred source deviates outside of preset limits the unit will instantaneously transfer to the secondary source. Upon return of the preferred source to within acceptable limits, the static switch will automatically retransfer the load back. This insures that the sensitive load is always being supplied the best available power from two different sources.

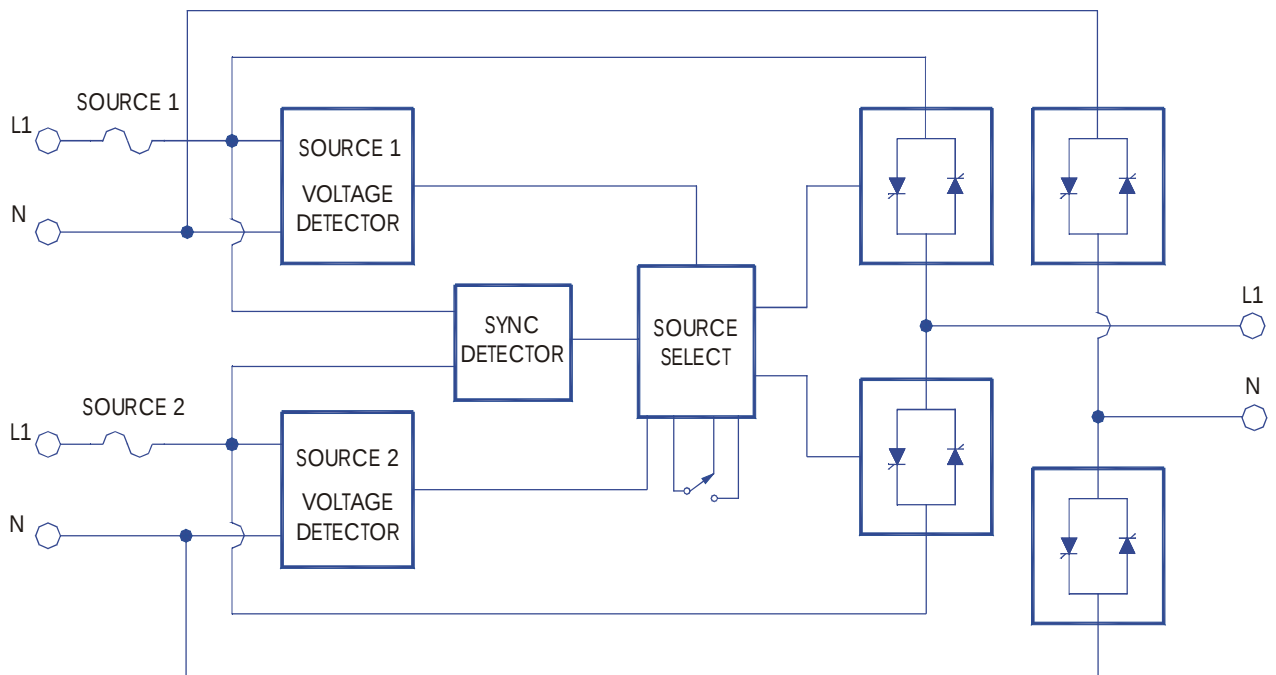
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## Typical Applications

- Data Processing
- Telecommunications
- Manufacturing Processes
- Distributed Computing

## Typical Input Sources

- UPS
- Inverters
- Motor Generators
- Dual Substations
- AC Regulators





# LTI Power Systems Static Transfer Switch

## ELECTRICAL SPECIFICATIONS

| Model                    | LTSS20                                                    | LTSS30 | LTSS40 | LTSS50 |
|--------------------------|-----------------------------------------------------------|--------|--------|--------|
| Input Voltage:           | 120, 127, 208, 220, 240VAC, 50/60Hz                       |        |        |        |
| Continuous Current       | 20 Amp                                                    | 30 Amp | 40 Amp | 50 Amp |
| Load pf. Range           | 0.5 to 1.0 leading or lagging                             |        |        |        |
| Load Crest Factor        | Up to 4:1                                                 |        |        |        |
| Input Voltage Distortion | Up to 10% THD with notches and ringing transients         |        |        |        |
| Overload Capability      | 125% for 2 hours, 150% for 15 minutes, 1000% for 2 cycles |        |        |        |

## ENVIRONMENTAL SPECIFICATIONS

|                       |                                                                |
|-----------------------|----------------------------------------------------------------|
| Storage Temperature   | -40°C to +80°C (-40°F to 176°F)                                |
| Operating Temperature | 0°C to +40°C (32°F to 104°F)                                   |
| Relative Humidity     | 0 to 95% without condensation                                  |
| Operating Altitude    | Up to 4000 feet (1200 meters) above sea level without derating |
| Audible Noise         | Less than 55dBA at 5 feet (1.5 meters)                         |

## PHYSICAL SPECIFICATIONS

|            |                    |
|------------|--------------------|
| Dimensions | 19"W x 13"D x 7"H  |
| Weight     | 23 lbs. (10.43 kg) |
| Color      | Light Gray         |

### User Friendly Status Display



### Robust Switching Devices



LTI Power Systems is a ISO9001-2000 listed manufacturer

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