

# AETES

## RACK STS 5U SERIES

*Fastest Switching Time*

*Multilingual LCD Control Panel*

*Fully Microprocessor Controlled Design*



*"...power alliance..."*

## DESCRIPTION

AETES Rack STS 5U series are three phase, 3-pole and 4-pole static transfer switches, which can switch between to independent AC sources without interrupting the output power less than  $\frac{1}{4}$  cycle.

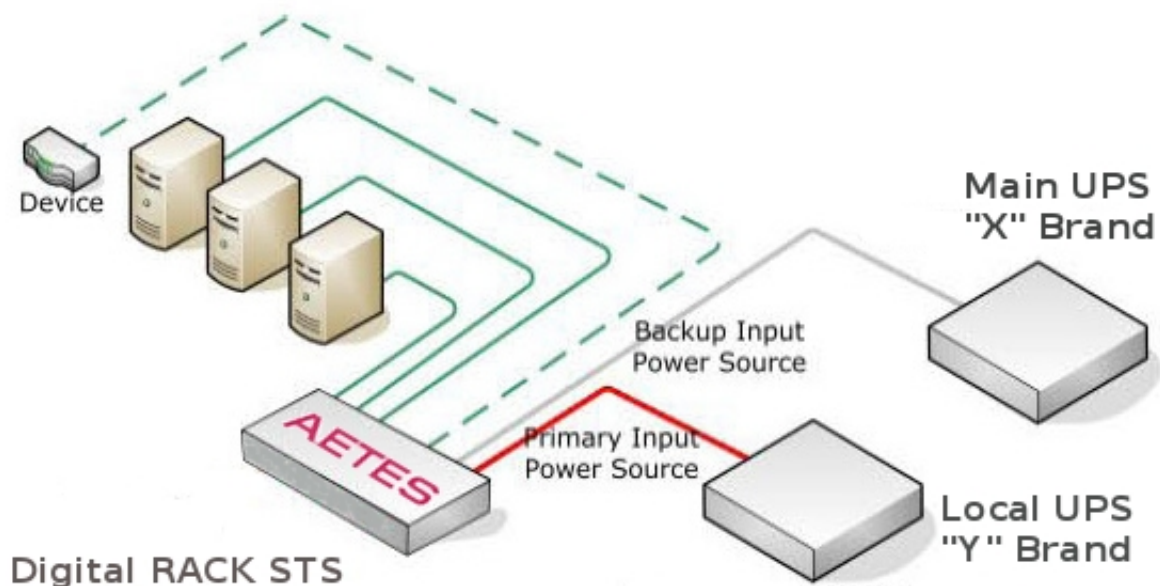
With a sense and transfer time of less than 5 ms, the AETES Rack STS represents the highest performance power switching solution available for the most critical applications.

AETES Rack STS systems provide cost-effective power protection for a wide range of applications including Telecom, Defence, Energy and General Industrial.

## FEATURES

- Advanced Communication Options for Remote Control & Monitoring
- Manual by-pass for no-break operation of the load during maintenance
- LCD control panel for Easy Operation
- User language selection (DE, EN, ES, NL, PT, TR)
- Fully DSP logic for fast and Reliable Control
- Source Priority Selection
- Password Protected Menu Structure
- Modbus Communication via RS232 Serial Port
- Adjustable Operation Parameters
- Audible Alarm & Dry Contacts
- 19" rack mount design to Easy Installation
- High efficiency, up to 99%
- 3 Year Standard Warranty

## APPLICATION



# GENERAL SPECIFICATION

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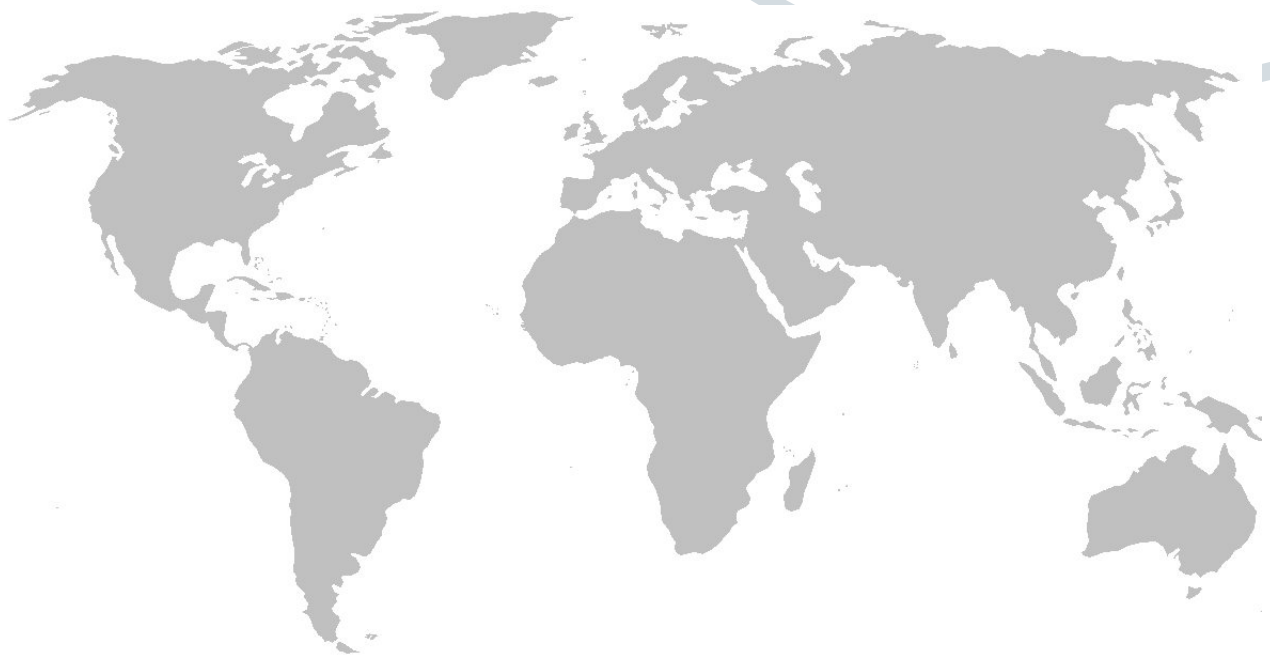
|                          |   |
|--------------------------|---|
| <b>Nominal Voltage</b>   | <i>3-PH 380/400/415 V or 440/460/480 V AC</i>       |
| <b>Frequency</b>         | <i>50 or 60 Hz full range</i>                       |
| <b>Max. Current</b>      | <i>32A / 50A / 63A or 30A / 50A / 60A</i>           |
| <b>Transfer Time</b>     | <i>Less than 5 ms</i>                               |
| <b>Efficiency</b>        | <i>up to 99%</i>                                    |
| <b>Overload</b>          | <i>125 % for 10 minutes<br/>150 % for 1 minutes</i> |
| <b>Temperature</b>       | <i>-5°C...+50°C</i>                                 |
| <b>Altitude max.</b>     | <i>2000 m above sea level</i>                       |
| <b>Humidity</b>          | <i>0% ~ 90%</i>                                     |
| <b>Enclosure</b>         | <i>19" Rack mounted</i>                             |
| <b>EMC Compatibility</b> | <i>EN 50091-2 ; EN 60947-6-1</i>                    |
| <b>Dimensions</b>        | <i>W (19") D(660 mm) H ( 5U)</i>                    |
| <b>NET Weight</b>        | <i>26 kg / 30 kg</i>                                |
| <b>Warranty</b>          | <i>3 Years</i>                                      |

# MODELS

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| <b>Model</b> | <b>Line</b>          | <b>Current</b> | <b>Connection</b> |
|--------------|----------------------|----------------|-------------------|
| 99S-32A      | 380/400/415 VAC 50Hz | 32A            | Cable Terminal    |
| 99S-50A      | 380/400/415 VAC 50Hz | 50A            | Cable Terminal    |
| 99S-63A      | 380/400/415 VAC 50Hz | 63A            | Cable Terminal    |
| 100S-30A     | 440/460/480 VAC 60Hz | 30A            | Cable Terminal    |
| 100S-50A     | 440/460/480 VAC 60Hz | 50A            | Cable Terminal    |
| 100S-60A     | 440/460/480 VAC 60Hz | 60A            | Cable Terminal    |

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