AETES

RACK STS 2U 1-PH 32A-50A

Fastest Switching Time

Multilingual LCD Control Panel

Fully Microprocessor Controlled Design

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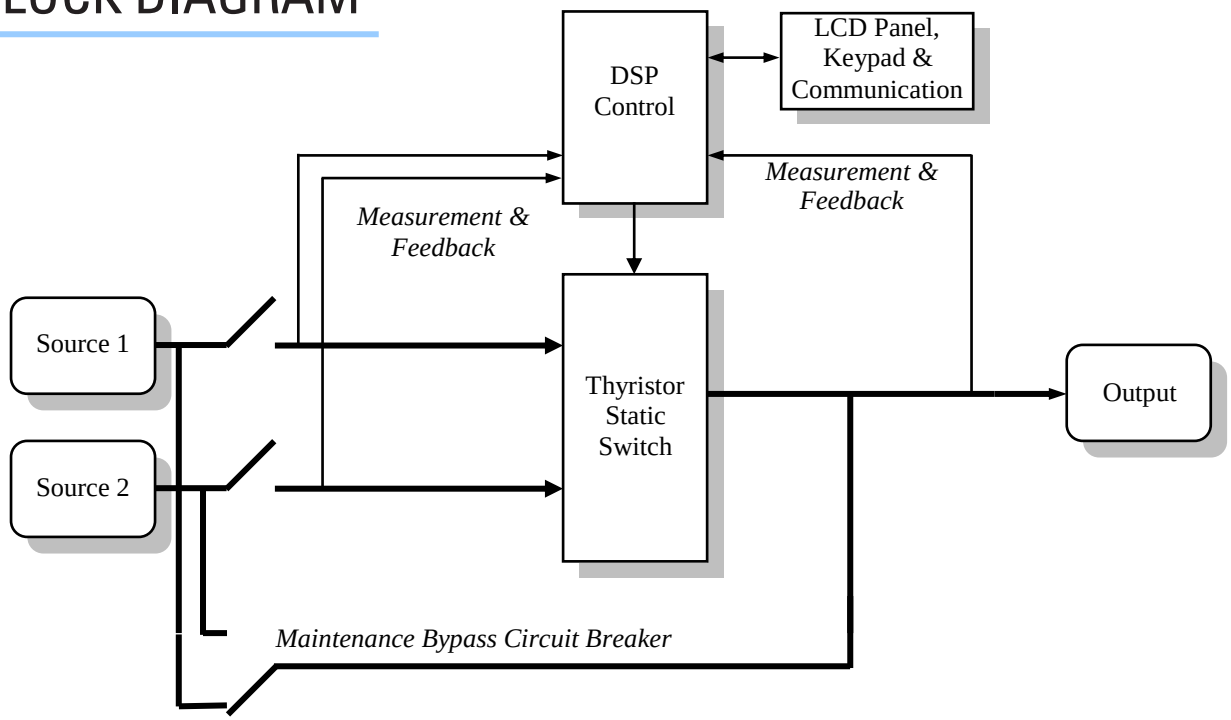
DESCRIPTION

AETES Industrial Rack STS 2U series area three phase, 1-pole and 2-pole Static Transfer Switches, which can switch between to independent AC sources without interrupting the output powerless than ¼ cycle. With a sense and transfer time ofless than 5 ms, the AETES Rack STS represents the highest performance power switching solution available for the most critical applications. AETES Rack STS systems effective power protection for a wide range of applications including Telecom, Defence, Energy and General Industrial.

FEATURES

- LCD Control Panel for Easy Operation
- User Language Options (DE, FR, EN, ES, 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 Parametres
- Audible & Visual Alarms
- Alarm Dry Contacts
- Manual By-pass for Maintenance
- 19” Rack Mount Compact Design
- High Efficiency, up to 98%
- 2 Years Warranty

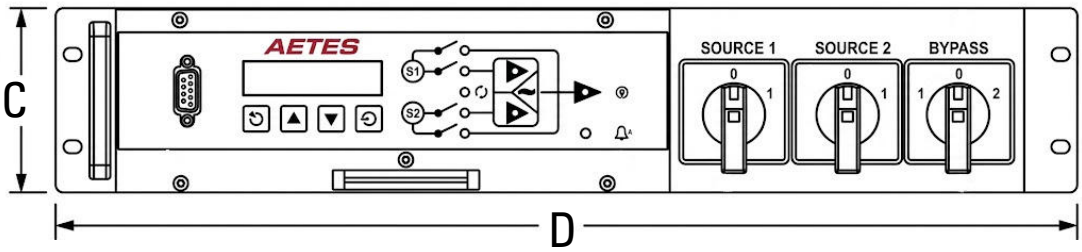
BLOCK DIAGRAM

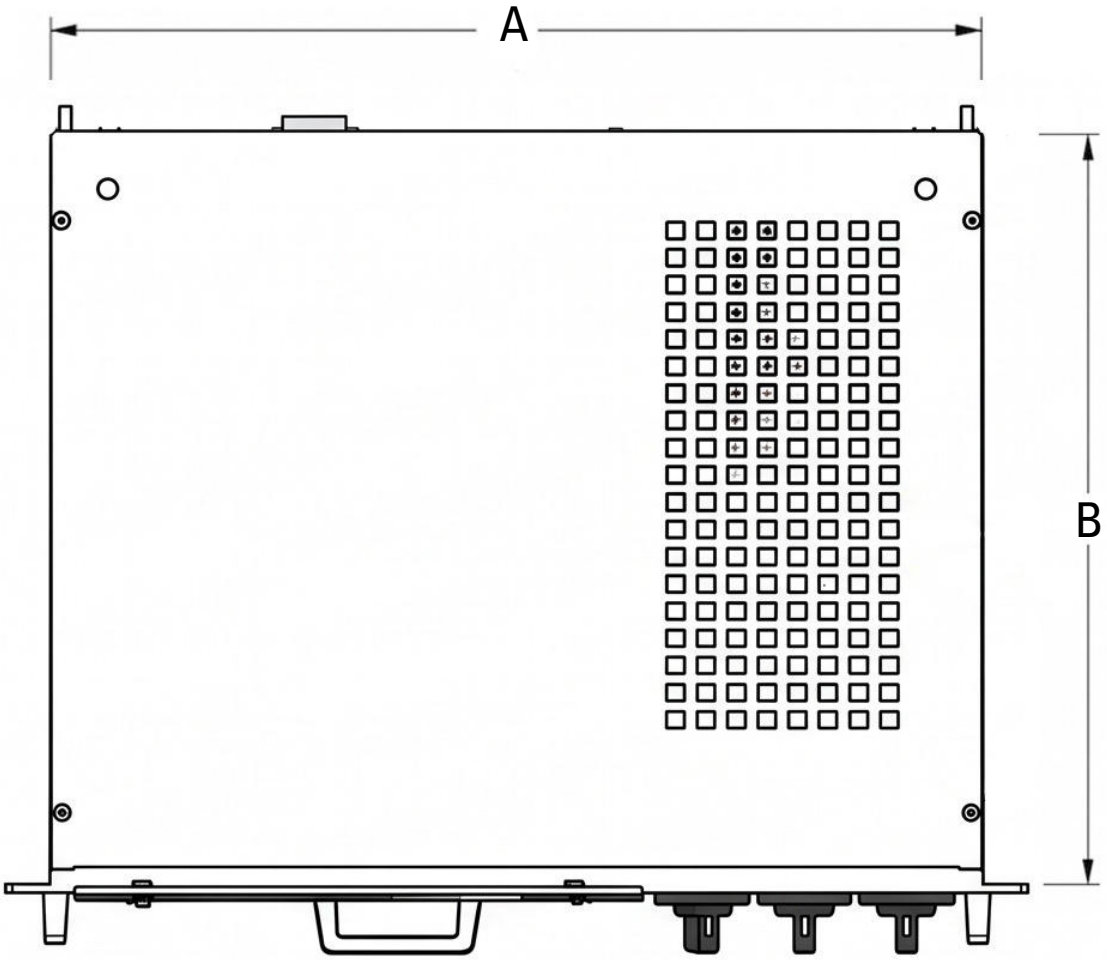


TECHNICAL SPECIFICATION

MODELS	STS-2RU-1P2-32A	STS-2RU-1P2-50A
INPUT		
Nominal Voltage (±10%)	1-Phase 220V/ 230V/ 240V AC	
Nominal Frequency (±5%)	50Hz / 60Hz	
Maximum Current	32 AMP	50 AMP
Input Connection Type	Cable Terminal (Rear)	Cable Terminal (Rear)
Input Breaker	(2) Cam Switch (Front)	(2) Cam Switch (Front)
OUTPUT		
Output Connection Type	Cable Terminal (Rear)	Cable Terminal (Rear)
Overload Capacity	150% for 60 sec.	150% for 60 sec.
Over Temperature Protection	Yes	Yes
Retransfer Inhibit	Yes	Yes
Transfer Topology	1-Pole or 2-Pole (Order Option)	
Transfer Time	<5ms (Sync) & <3/4 Cycle (Unsync)	
Efficiency	>%98	
COMMUNICATION		
Connectivity Ports	Modbus RS232 (Optional: RS485)	
Dry Contacts	(1) Common Alarm	
Information Display	2 Line 2x16 LCD Display	
Measurements	Source Voltages, Difference Voltage, Output Voltage, Output Current	
Warnings	Source Fail, Source Not Sync, Output Fail, Over Current Block Over Temperature, Internal PSU Fault, Maintenance CB Closed	
ENVIRONMENTAL		
Cooling	Free Air Convection	
Operating Temperature	0°C...+50°C	
Storage Temperature	-10°C...+70°C	
Operating Humidity	10%-90% RH (Non-Condensing)	
Operating Altitude	<2000m	
Acoustic Noise	N/A	
PHYSICAL		
Enclosure	Galvanised Steel	
Colour	Grey RAL7035	
Protection Level	IP20	
Dimensions	A:440 B:400 C:88 mm	A:440 B:400 C:88 mm
Net Weight	12 kg	14 kg
MOQ / Package	2 Unit / Plywood Crate 650x550x350 mm 30 kg	2 Unit / Plywood Crate 650x550x350 mm 34 kg
Included Accessory	N/A	N/A
COMPATIBILITY		
EMI Compatibility	EN62310-1	
Safety Compatibility	EN62310-2	
Performance Compatibility	EN62310-3	
Warranty	2 Years	

DRAWING





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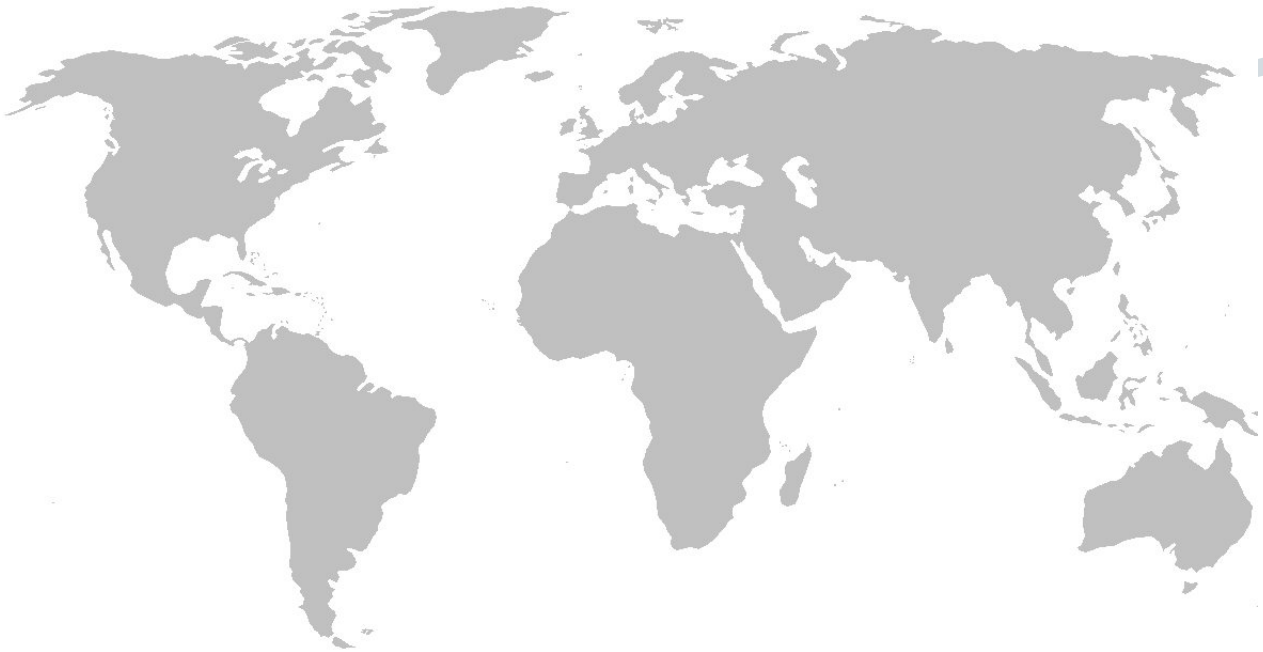

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