

AETES

RACK STS 1U 1-PHASE 20A

Fastest Switching Time

Multilingual LCD Control Panel

Fully Microprocessor Controlled Design



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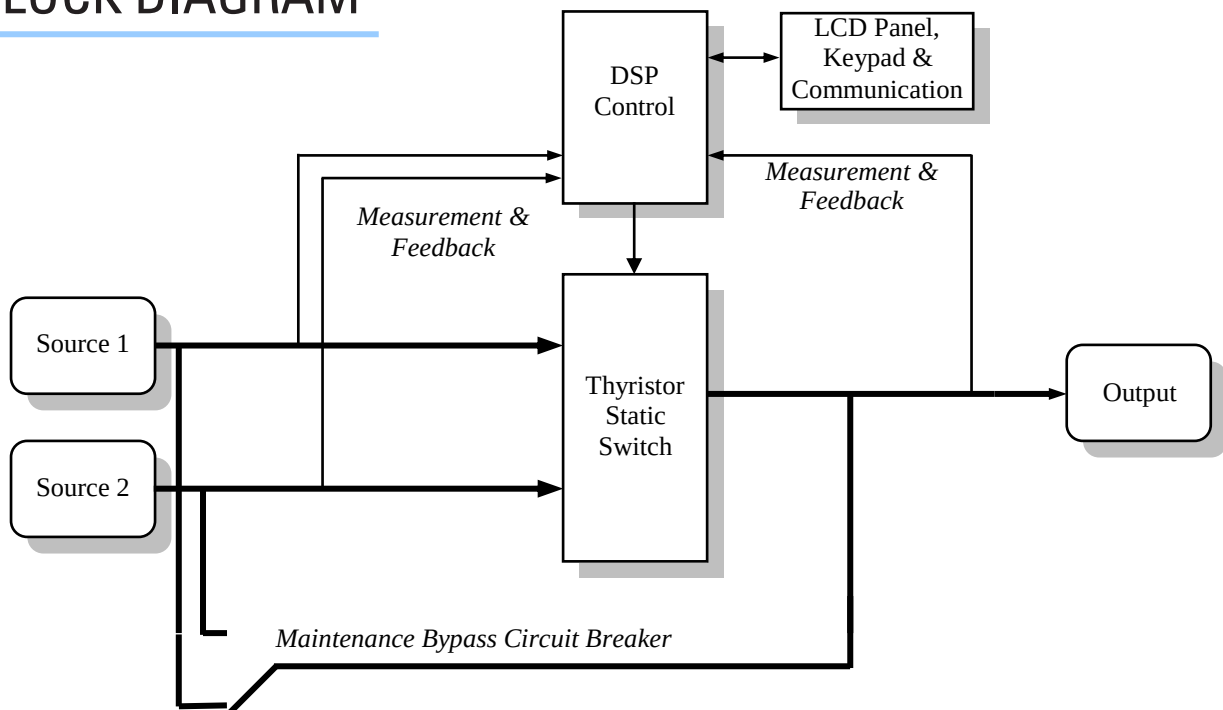
DESCRIPTION

AETES Industrial Rack STS 1U series area single phase, 2-pole solid state Static Transfer Switches, which can switch between to independent AC sources without interrupting the output powerless 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 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 (EN, ES, FR, 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

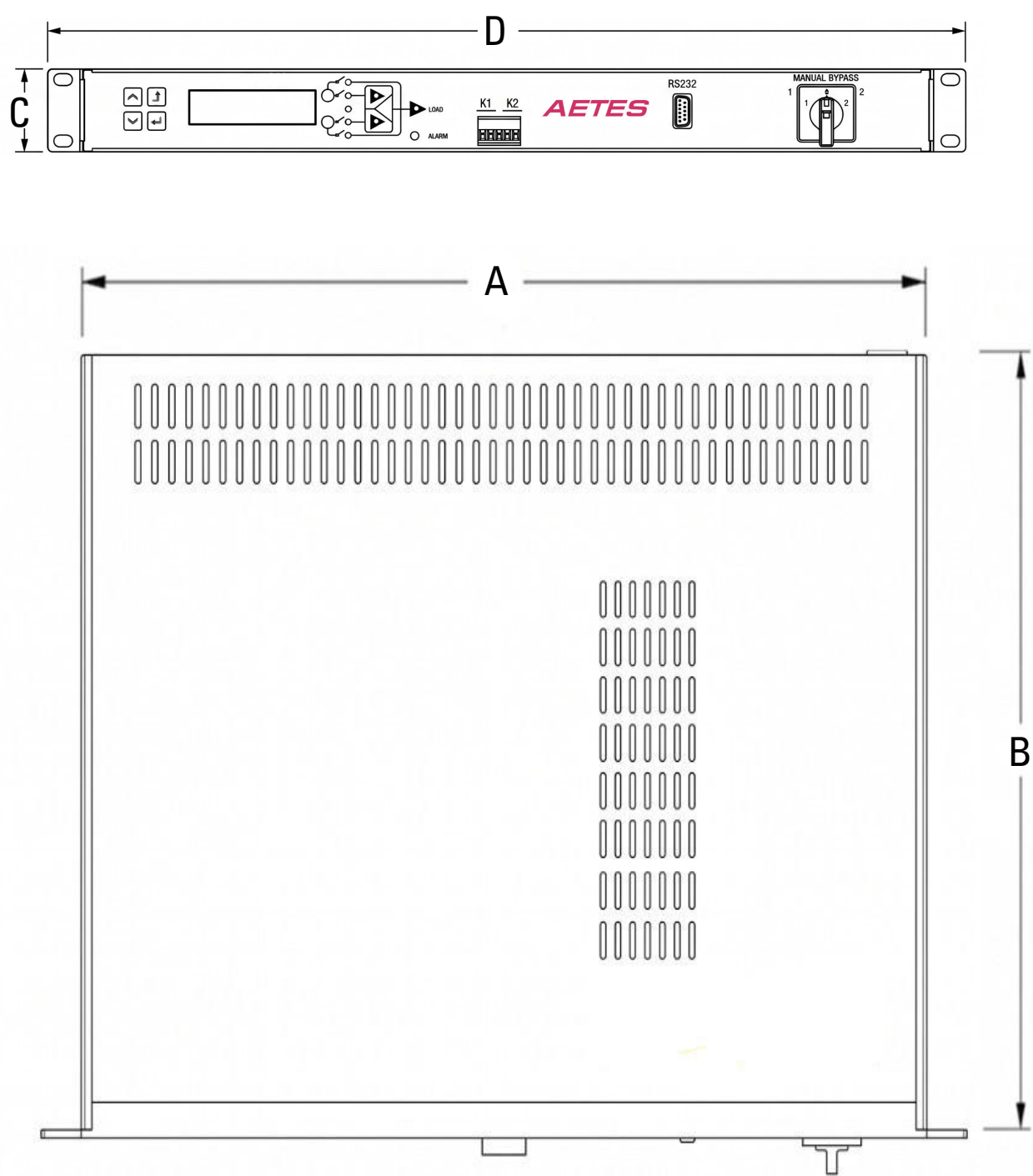
BLOCK DIAGRAM



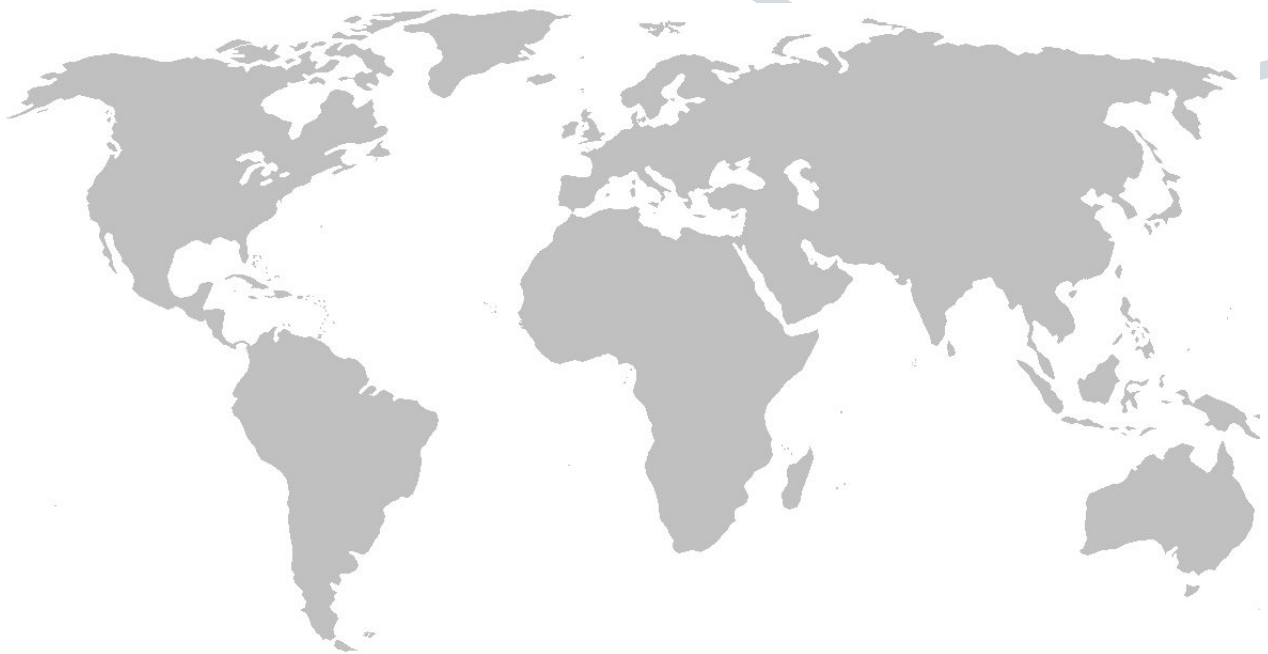
TECHNICAL SPECIFICATION

MODELS	STS-1RU-1P2-16A
INPUT	
Nominal Voltage (±10%)	1-Phase P-N 110V/ 120V/ 127V
Nominal Frequency (±5%)	60Hz
Maximum Current	20 AMP
Input Connection Type	Cable Terminal (Rear)
Input Breaker	N/A
OUTPUT	
Output Connection Type	Cable Terminal (Rear)
Overload Capacity	150% for 60 sec.
Over Temperature Protection	Yes
Retransfer Inhibit	Yes
Transfer Topology	2-Pole
Transfer Time	<5ms (Sync) & <3/4 Cycle (Unsync)
Efficiency	>%98
COMMUNICATION	
Connectivity Ports	Modbus RS232 (Optional: RS485)
Dry Contacts	(1) Common Alarm & (2) Source Status
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	Aluminum
Colour	Black RAL9004
Protection Level	IP20
Dimensions	A:440 B:440 C:44 mm
Net Weight	5 kg
MOQ / Package	4 Unit / Plywood Crate 650x550x450 mm 30 kg
Included Accessory	N/A
COMPATIBILITY	
EMI Compatibility	EN62310-1
Safety Compatibility	EN62310-2
Performance Compatibility	EN62310-3
Warranty	2 Years

DRAWING



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