

Athena

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Static Transfer Switch

STS Ultra Power and Rack-Mount 10U

● The Experts' First Choice

FEATURES OF STATIC TRANSFER SWITCH

MULTI-CPU DESIGN AND SOFTWARE/HARDWARE COOPERATE CONTROL

make the system extremely reliable and easy for customization and modification to suit particular application requirements.

ADVANCED TECHNOLOGY

Utilize DSP, IGBT and static switching technology to increase the reliability and efficiency of the UPS.

INTELLIGENT FAN SPEED CONTROL

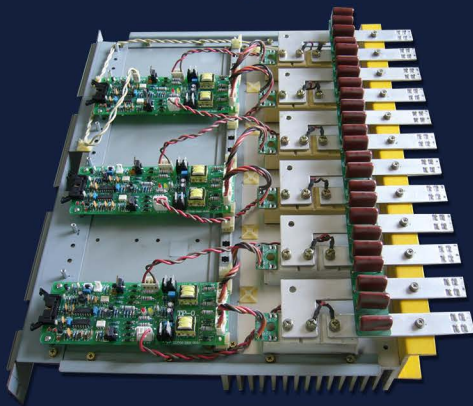
increases the fan life expectancy and reduces audible noise by reducing fan speed under light load.

REASONABLE HEAT DISSIPATION PASSAGE DESIGN

Because the control circuitry and power circuitry are physically separated, the SFC system can operate under harsh environments.

PLUG AND PLAY MODULAR DESIGN permits easy maintenance and quick service and minimizes the time required for repairs.

Plug and Play Module



Quick Connect Mechanism

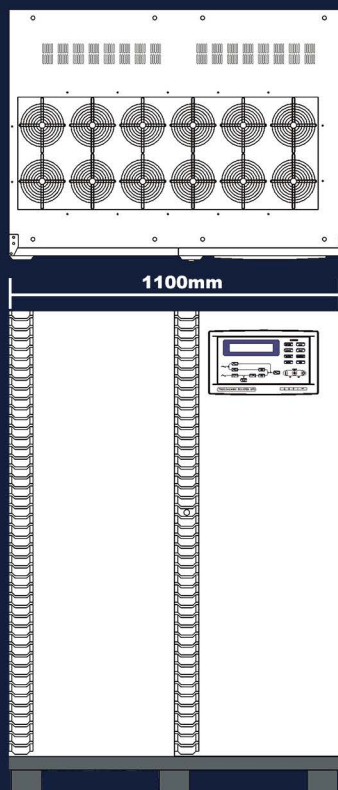
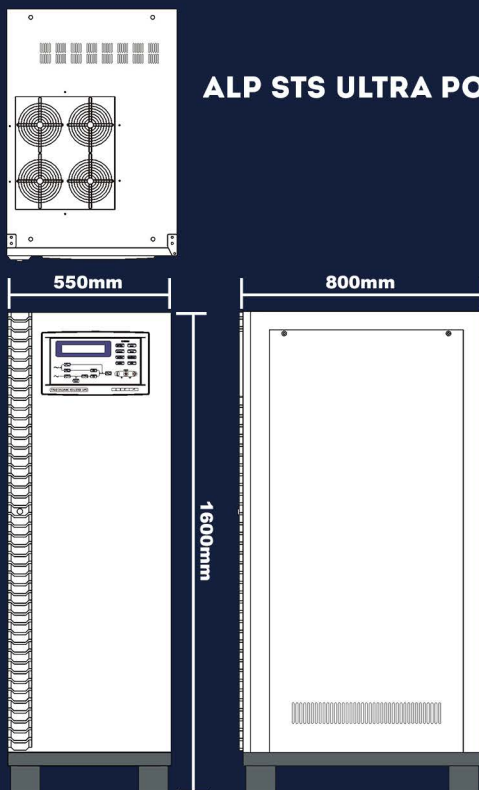


Plug and Play



STATIC TRANSFER SWITCH CABINET DIMENSIONS

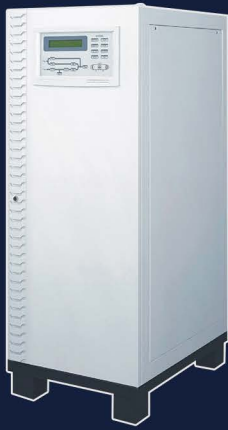
ALP STS ULTRA POWER



RACK MOUNT STS 10U ULTRA COMPACT



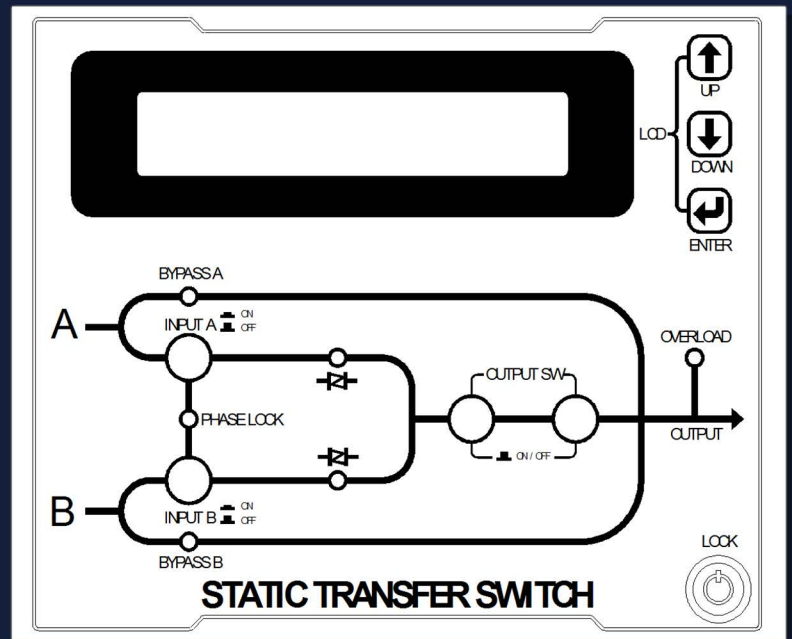
SPEC SHEET: ALP STS



| Model | AT50 | AT100 | AT120 | AT150 | AT200 | AT300 | AT400 | AT500 | AT800 | AT1000 |
|--|--|-------|-------|-------|-------|-------------------|-------|-------|-------|--------------|
| Nominal Current | 50 | 100 | 120 | 150 | 200 | 300 | 400 | 500 | 800 | 1000 |
| Input | | | | | | | | | | |
| Nominal Voltage | 380Y/220V – 400Y/230V – 415Y/240V, 3 Phase with Neutral | | | | | | | | | |
| Input Voltage Tolerance | 180-264 Vac (Selectable) | | | | | | | | | |
| Switched Input Phases | 3 + N (4-Poles) – 3 (3-Poles) | | | | | | | | | |
| Nominal Frequency | 50/60Hz | | | | | | | | | |
| Distribution Compatibility | ± 2.5Hz | | | | | | | | | |
| Operating Features | IT, TT, TNS, TNC | | | | | | | | | |
| Operation Topology | | | | | | | | | | |
| Available Transfer Modes | Breaker Before Make (No Source Overlapping) | | | | | | | | | |
| Transfer Time for Source Failure | Automatic Manual/Remote | | | | | | | | | |
| Efficiency at Full Load | >99% | | | | | | | | | |
| Environmental | | | | | | | | | | |
| Noise Level at 1m from Front (from 0 to Full Load) (dBA) | 52 | | | | | 55 | | | | 58 |
| Storage Temperature Range | -10°C to +50°C | | | | | | | | | |
| Ambient Temperature | 0°C to +40°C | | | | | | | | | |
| Relative Humidity | 90% Non-Condensation | | | | | | | | | |
| Max. Installation Height | 1000m at Rated Power (-1% Power for Every 100m above 1000m) –Max 4000m | | | | | | | | | |
| Standard Compatibility | EN62310-1 (Safety) EN 62310-2 (Electromagnetic | | | | | | | | | |
| Dimension (H x W x D) (mm) | 1450 x 550 x 800 | | | | | 1450 x 1100 x 800 | | | | 1650 (Width) |
| Weight (kg) | 180 | 190 | 200 | 230 | 250 | 320 | 340 | 360 | 420 | 450 |
| Color | Cool Grey | | | | | | | | | |
| Index of Protection | IP20 | | | | | | | | | |

Note: The STS for 208Y/120V and 480Y/277V are also available. Please contact your sales representative for more information.

SPEC SHEET: RM-10U



| Model | STS-50 | STS-100 | STS-150 |
|-----------------------------------|--|---------|---------|
| Rated Current | 50A | 100A | 150A |
| Rated Voltage | 120Y/208V or 220Y/380V or 277Y/480V | | |
| Phases | Single or Three | | |
| Input Voltage Tolerance | ±5, 10, 15, 20% Selectable | | |
| Nominal Frequency | 50Hz or 60Hz Selectable | | |
| Input Frequency Tolerance | ±0.5, 1.0, 1.5, 2.0, 2.5 Hz Selectable | | |
| Phase Difference Between 2 Inputs | 5, 10, 15, 20 or Don't Care Selectable | | |
| Sensitivity | Low/Med/Hi Selectable | | |
| Transfer Sequence | Break Before Make | | |
| Transfer Mode | Manual/Automatic | | |
| Return Inhibit | Manual/Automatic | | |
| Transfer Time | 1.5ms ~ 3ms (0° difference), 3ms ~ 6ms (<90° difference) | | |
| Efficiency @ Full Load | >99% | | |
| Ventilation | Fan | | |
| Operation Temperature | 0°C to +40°C | | |
| Operation Altitude | <2000m (derate 5% every 1000m) | | |
| Humidity | 0~90% (non-condensing) | | |
| Audible Noise (@1m) | 50 dB | | |
| Standards | EN62310-1 (Safety) EN62310-2 (EMC) | | |
| Dimension (H x W x D) (mm) | 440 x 440 x 550 (10U) | | |
| Weight (kg) | 24 | 26 | 30 |
| Color | Customer Selectable | | |