



Automated Transfer Switch (ATS)

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The Automated Transfer Switch (ATS) is a power switch with dual redundant inputs that allows equipment to be connected to two utility power supply grids, increasing availability in the event of either one of the two power grids failing. The switch is rack mounted and has a current handling capacity of up to 16A.

Features

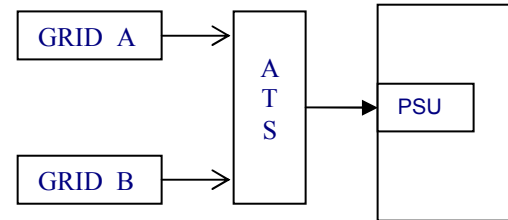
- Allows equipment to be connected to two utility power grids and survive the failure of one of the power grids
- Connects to a primary and secondary power input, switches to the secondary power source in the event of the primary source failing
- Provides a resilient power source for devices with a single power supply
- Can be used to connect equipment with an odd number of N+1 redundant power supplies (individually fed) to two utility power grids.
- 1U rack mounted, includes mounting kit
- Can be used with most equipment racks
- Two 16A IEC320 C20 inputs for connection to two incoming power
- One IEC320 C19 and eight IEC320 C13 outputs, maximum total load 16A (cables not included)
- Fast switching time prevents server interruption during switchover
- Overload protection (circuit breaker trip guards included)
- Supports out-of-phase inputs
- Includes 2 IEC320 C19 - C20 16A input cables
- One year (advanced replacement in the UK) warranty

Product Details

Many computer room installations include dual independent incoming power grids. This power switch increases the availability of equipment by allowing it to be connected to both incoming power grids, therefore enabling the equipment to survive the failure of one of the incoming power grids.

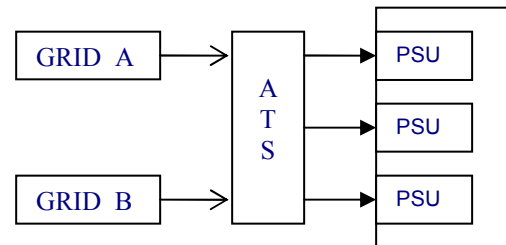
The switch can be mounted in 1U of rack space, has two power inputs and up to nine power outputs. The power inputs are connected to two independent utility power grids (which can be on different phases), whilst the output is connected to the equipment being supported. Under normal operation all the outputs are supplied from the primary power input. If the primary power grid fails, the device switches the outputs to be supplied by the secondary power input. Fast switching time (<30mS) allows the supported systems to continue without interruption.

Single Power Supply Equipment Configuration



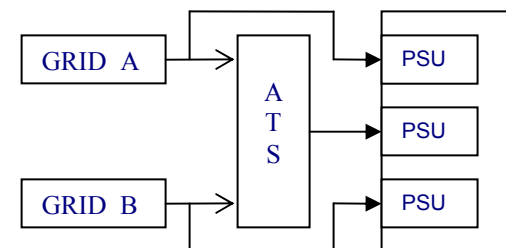
In this instance, the equipment is normally supplied by Grid A which is connected to the primary ATS input. In the event of Grid A failing, the ATS switches to Grid B which is connected to the secondary ATS input.

Three Non-Redundant Power Supplies Configuration



All three power supplies connect to the ATS and are switched from Grid A to Grid B in the event of Grid A failing.

Three N+1 Redundant Power Supplies Configuration



In this instance, the equipment has three N+1 redundant power supplies. Because one of the power supplies can fail without affecting the operation of the equipment, only one of the power supplies need be connected through the ATS. This will ensure that two power supplies remain active in the event of either one of the incoming power supply grids failing

Specifications

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|---------------------------|--|
| Form Factor | 1U rack mounting, compatible with 4 post 19" EIA rack enclosures |
| Size (WDH) | 445mm x 178mm x 44mm (1RU) |
| Weight | 5.5Kg (6.8Kg shipping) |
| Temperature | 0°C to 60°C (operating), -40°C to +70°C (storage) |
| Humidity | up to 95% (non-condensing) |
| Nominal Operating Voltage | 120V, 208V or 240V (panel switch selectable), 50/60Hz |
| Switching Transfer Points | 120V operation: 90V drop out, 103V pull in 208V operation: 182V drop out, 195V pull in 240V operation: 197V drop out, 210V pull in |
| Input Sockets | (2) IEC C20 16A (need not be in phase) |
| Output Sockets | (8) IEC C13 and (1) IEC C19 |
| Indicator Lights | Main Power, Primary Available, Secondary Available, Primary Output, Secondary Output |
| Finish | Black powder coat paint |
| Input Power | 16A maximum per input |
| Output Power | 16A maximum total C13: up to 10A per group of four sockets C19: up to 16A |

| | |
|--------------------------|--|
| Transfer Time | Less than 30ms (Regular sine wave to regular sine wave) |
| Overload Protection | Circuit breakers (with trip guards) |
| Unit Power Consumption | 25W |
| Rack Mount Kit | Included |
| Cables | Input: (2) IEC320 C19 to C20 cables included Output cables not included |
| Standards and Compliance | CE, UL |
| Manufacturer | Pulizzi |
| Installation | User Optional engineer installation (contact EPI for details) |
| Warranty | 12 months warranty (advanced replacement in the UK) |
| Maintenance | Range of on-site maintenance options, please contact EPI for details |

Product Code

PWR-ATS | 1U Rack Mounted Automated Transfer Switch. Please contact EPI sales on 01993 708855 or email sales@epi-uk.com for details.



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04/04/06