



Automatic Transfer Switch

ATS-216 & ATS-232

PRODUCT DESCRIPTION

The rackmount automatic transfer switch (ATS) is designed to provide reliable redundant power. It has dual input cords, and will automatically transfer loads to the secondary source if the primary becomes unavailable.

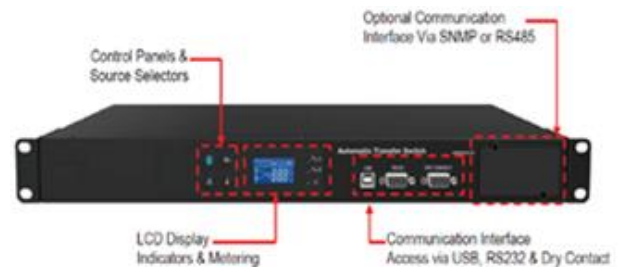
The ATS has built-in network connectivity for both local and remote management.

KEY FEATURES

- **Automatic Switching**
Provides seamless power transfer to secondary source when the primary source fails
- **Out of Phase Switching Capabilities**
- **Selectable Preferred Source**
- **Continuous Source Monitoring**
- **LCD Display for Control and Monitoring**
Easy monitoring and management of operating parameters
- **Compact 19"/1U rackmount unit**
- **Fast Switching Time**
Typical 6ms, Maximum 16ms
- **Effective Solution for Maintenance Bypass Needs**
- **Available in both 16A and 32A models**

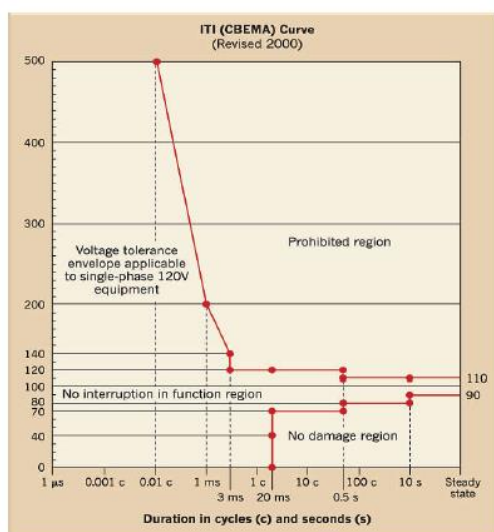
APPLICATIONS

- IDC (Internet Data Centre)
- Telecom Applications
- Aviation Control System
- Healthcare Equipment
- Process Control
- Transportation Facilities



TECHNICAL SPECIFICATIONS

MODEL	ATS-216	ATS-232	ATS-120	ATS-130
AC INPUT				
Input Voltage	200/208/220/230/240Vac (±5%/10%/15%/20%)		100/110/115/120/127Vac (±5%/10%/15%/20%)	
Acceptable Input Voltage	150Vac to 300Vac		75Vac to 150Vac	
Input Frequency	50Hz/60Hz (±5%/10%/15%/20%)			
Maximum Input Current	16A	32A	20A	30A
AC OUTPUT				
Output Voltage	200/208/220/230/240Vac		100/110/115/120/127Vac	
Maximum Output Current	16A	32A	20A	30A
Transfer Time	8-12ms (sensitivity adjustable)			
Efficiency	99% (full linear load)			
PROTECTION				
Input	Circuit Breaker			
Output	Circuit Breaker			
INTERFACE				
Communication	Standard: RS-232, USB, Dry contact			
	Optional: SNMP, RS-485 (using external slot)			
Display	LCD + LED			
OPERATING ENVIRONMENT				
Humidity	20-90% RH (non-condensing)			
Operating Temperature	-5°C to 40°C			
PHYSICAL				
Inlet (Connection Type)	2 x IEC-C20	2 x 3P Terminal 40A	2 x NEMA 5-20	2 x NEMA L-30
Output (Connection Type)	8 x IEC-C13	16 x IEC-C13	8 x NEMA 5-15	16 x NEMA 5-15
	1 x IEC-C19	2 x IEC-C19	1 x NEMA 5-20	2 x NEMA L5-30
Unit Dimensions WxDxH (mm)	440x275x44	440x275x88	440x275x44	440x275x88
Unit Net Weight (kg)	3.5	4	3.5	4
DESIGN STANDARDS				
Safety	IEC 60950-1		UL 60950-1/CSAC22.2 No. 60950-1	
EMC	EN 55022 + EN 55024		FCC Part 15	



Seamless Power Transfer

The ATS switches power seamless to the connected equipment. As per the ITI curve, typical power supplies will continue to operate up to 20ms after AC drops to zero. The Server System Infrastructure standard therefore recommends a hold-up time of at least 21ms for power supplies @ voltage range from 100Vac to 240Vac.

The ATS switching time includes the time for built-in intelligence to determine whether the voltage and frequency are within range. Any point of failure in the electronics does not cause a drop-out of the output voltage as the unit incorporates redundant electronics circuitry to avoid fault tolerance.