

**NEUROPOWER**

Visioning Power Systems



- Power Management Device
- **Automatic Transfer Switch (ATS)**

# Automatic Transfer Switch

Improve the functionality of IT operations through the use of Automatic Transfer Switch (ATS). It monitors and ensures power continuity to the connected device by using its dual power sources taken from two different power outlets. One is a primary source while another is a secondary power source or redundant. Once it detects a failure from the primary power source, the ATS will automatically connect the connected device to the secondary power source seamlessly within just a few milliseconds. This guarantees an uninterrupted power supply with potentially no downtime. Furthermore, it saves manpower, provides safety and improves overall operations for any organization.

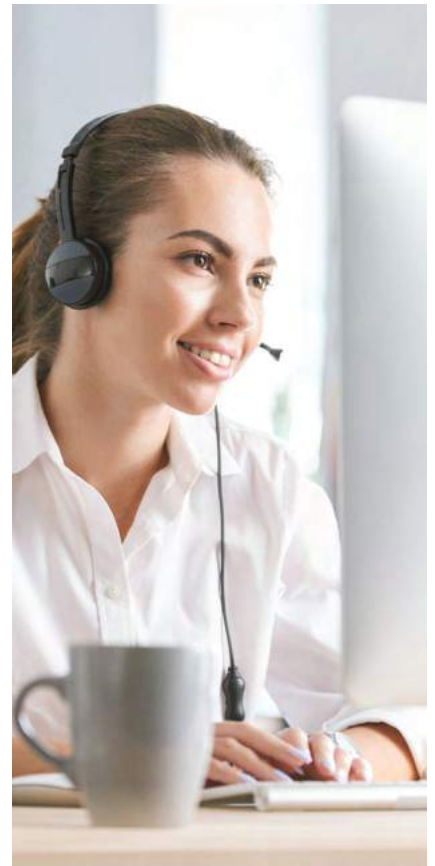
Designed in a compact size, this ATS is perfect for the common 19" server rack used in various industries, therefore, eases installation. The ATS comes in two models with a rated output current of 16A and 30A. Both come with a reasonable amount of output outlets and is capable of supporting devices with an input voltage of 220/230/240 VAC. Users can even monitor and do their power planning easily as the ATS can be monitored remotely through its communication ports.



**IT SYSTEM**



**DATA CENTER**



**COMMERCIAL USE**

# Automatic Transfer Switch Features

Explore Neuropower's ATS, your monitoring solution for a fail-safe power redundancy to your connected devices.

## 1. 16A and 30A max input current

Wide range of input current made compatible for devices with input voltage of 220/230/240 VAC. It also comes with reasonable number of output outlets to ease user's power planning.

## 2. Powered by two separately independent power sources

Minimize downtime and improve daily operations with two independent input power sources. The ATS will ensure that the device will be powered by its primary power source, usually from a UPS and also the secondary for power redundancy, usually from a power generator.

## 3. Dual power supply for redundancy

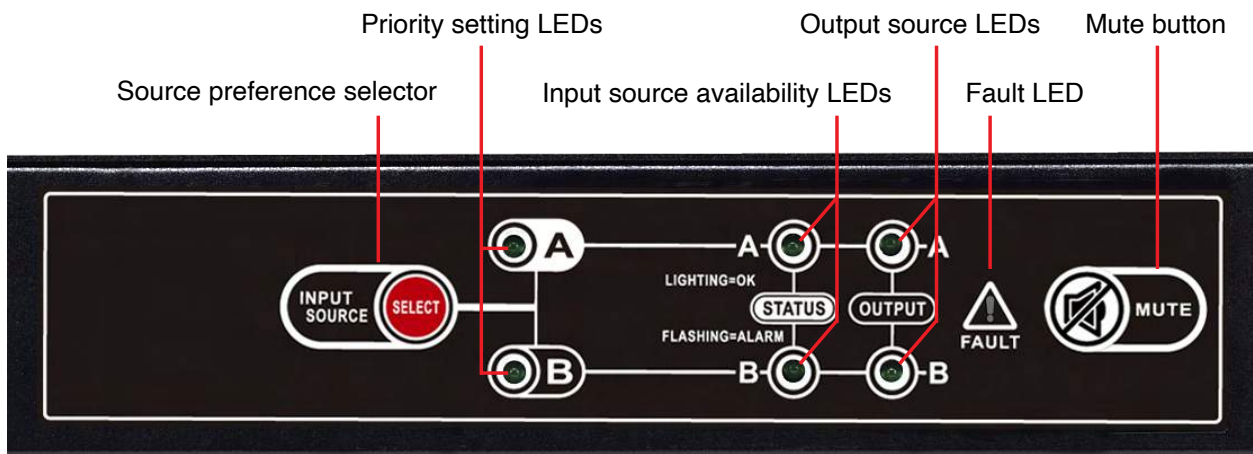
Built in feature to ensure that the connected device constantly has a power supply. If the ATS detects a power loss from its primary source, the connected load will then be powered by the secondary source via the ATS's seamless switch.

## 4. Built in smart communication port

Monitor and manage the ATS's power performance conveniently by connecting to any communication port such as a USB port and RS232, or through intelligent slots for SNMP or Modbus devices. Both are accessible from the ATS's front.



Location of smart communication ports and other power switches



ATS's control panel to choose preferred power source



### 5. Preferred source selection on front panel

Made accessible for easy monitoring and control of the preferred power source. Users can easily switch between the two input power sources with a touch of a button.

### 6. Provides seamless power switch for IT equipment

Performs a safe, smooth and seamless power transfer between the primary and the secondary power source. It also minimizes its connected device's downtime. The maximum transfer time for the ATS-16V model is only 9 to 12 ms while the ATS-30V model achieves a 6 to 8 ms transfer time.

### 7. High reliability 19" rack design (1U) to fit into a diverse working environment

Perfect size for every industry that requires an ATS in their IT systems. As the 19 inch rack design is commonly preferred by IT personnel, it is highly reliable and saves floor space.



# Automatic Transfer Switch Models

Introducing our two most appreciated ATS models, ATS-16V and ATS-30V as your next power solution.



Front view of both Automatic Transfer Switch 16V and 30V



Automatic Transfer Switch 16V (rear panel view)



Automatic Transfer Switch 30V (rear panel view)

# Technical Specification

Specification	Model	ATS-16 V	ATS-30 V
	Topology	Relay	Relay + SCR
Input	Input Voltage (VAC)	220 / 230 / 240	
	Acceptable Input Voltage Range (VAC)	180 - 258	
	Input Frequency (Hz)	50 Hz / 60	
	Maximum Input Current (A)	16	30
Output	Output Voltage (VAC)	220 / 230 / 240	
	Maximum Input Current (A)	10A for IEC-C13 outlets 16A for IEC-C19 outlet	10A for IEC-C13 outlets 16A for IEC-C19 outlet 30A for Grand connector
Connection	Input	2 x IEC-C20 inlets	2 x Grand connector
	Output	8 x IEC-C13 1 x IEC-C19	4 x IEC-C13 1 x IEC-C19 1 x Grand
	Communication	USB / RS-232	USB / RS-232
	Transfer Time (ms)	9 - 12ms (Typical), 16ms max.	6 - 8ms (Typical), 10ms max.
Physical	Dimention, W x D x H (mm)	430 x 330 x 44	
	Net Weight (kg)	5	4.5
	Net Weight (including accessories) (kg)	8	7.5
Environment	Operating Humidity	0-95% RH @ -5°C - 45°C (non-condensing)	

• Product specifications are subject to change without further notice

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