

ATS

ATS -16 HV



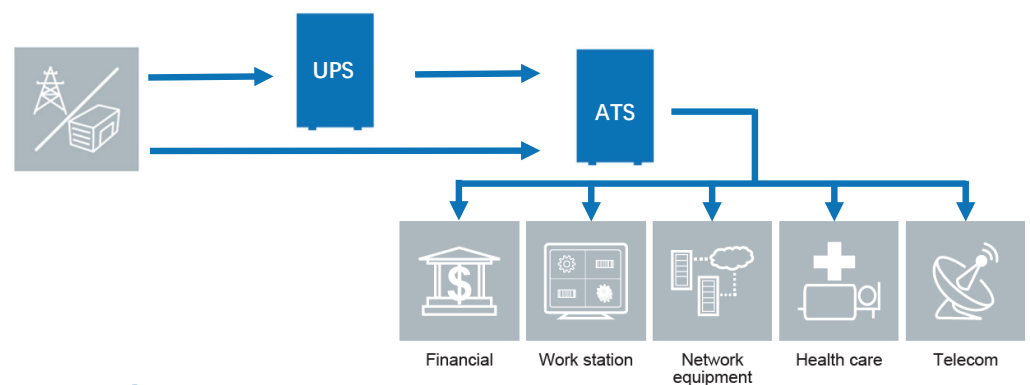
ATS (Automatic Transfer Switch)

ATS provide redundant power and keep key mission-critical applications running. Generally used to provide power redundancy to equipment with a single power supply, it can automatically transfers power between sources with no interruption if the primary source fails or requires maintenance to eliminate your critical load downtime.

Key features

- Redundant power supply. (From input Source 1 and Source 2)
- Back feed protection (according EN62310-1)
- Complete protection for overload and short-circuit. (With FUSE Holder Accessible)
- Simple user interface while with comprehensive diagnostics
- Industry standard communications (RS232, Dry Contact)
- Different setting to adjust the voltage failure sensing level (+/-12%~+/-20%) (Default setting: Nominal voltage +/-12%)
- 1U form factor for horizontal or vertical mounting
- EPO contact is integrated

Typical application



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ATS-16 HV Technical specifications

Input features

Item	Specification	Remark
Nominal input voltages	230 Volts (220/230/240 selectable)	Default: 230Vac
Working range	160 ~ 290Vac	
Input voltage acceptance window	Nominal voltage +/- 12% ~ +/- 20%	Adjustable (Default: +/- 12%)
Input voltage low comeback	Input voltage low loss volts +10V	/
Input voltage high comeback	Input voltage high loss volts -10V	/
Nominal current	16 Amp	/
Nominal frequency	50/60Hz selectable	/
Input frequency range	Nominal frequency +/- 15%.	/

Output features

Items	Specifications	Remark
Output voltage	Same as input voltage	/
Output frequency	Same as input (50 /60 Hz)	/
Output current	16 Amps	/
Typical transfer time	<10ms	/
Max. transfer time	15m second	/

Interface

Items	Specifications	Remark
Inlet	IEC 320-C20x 2	Power Cord: p/n 108-00140-xx
Outlet	IEC 320-C19 x 1 IEC 320-C13-3 x2	/
EPO active	Output NOT supplied.	/

Communications:

A. RS232 (DB-9, pin type)

PIN No.	Definition
PIN 2:	RX
PIN 3:	TX
PIN 5:	GND

B. Dry Contact (DB-9, pin type)

Pin No.	Description	Open State	Close State
Pin 1	Over temperature signal	Normal	Over Temperature
Pin 2	Not used	/	/
Pin 3	Not used	/	/
Pin 4	Source 1 status signal	Source 1 is fail	Source 1 is ok
Pin 5	Common	/	/
Pin 6	Not used	/	/
Pin 7	Over load signal	Normal	Over load
Pin 8	Source 2 status signal	Source 2 is fail	Source 2 is ok
Pin 9	Summary alarm signal	Normal	Alarm occurred

Mechanical Features

Items	Specification	Remark
Dimension (mm)	W*D*H = 430*315*44(1U)	/
Weight	Approx. 8kg	/
PKG. size (mm)	W*D*H = 585*425*184	/
Color	Silver	RAL 9006
Material	Metallic Case	
Structure	Rack Mount Unit (1U)	

Environment

Items	Specification	Remark
Operating temperature	(0 to 40 °C)	/
Storage temperature	(-25 °C to 70 °C) Continuous	/
Storage humidity	10% to 90%	/
Operation humidity	20%to 85% No condensing	/
Operation Altitude	≤ 1000m	/
Audible noise	25dBA (max.)	Buzzer OFF
Cooling	Natural Cooling	/
IP Grade	IP 30	/

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