



ASTModular

PRODUCTS

A-SERIES UPS

The TRULY Green power solution

A feature-rich, high quality solution for protecting your mission critical applications at the same cost of traditional legacy market solutions



A-Series Server

Any business with servers, computers and networking equipment will be reliant on a consistent supply of clean, non-interrupted power, and today that need includes the use of energy efficient green solutions to also meet operational and changing business needs.

Let AST's Uninterruptible Power Supply (UPS) protect your data and equipment against all known power failures and support your basic power protection needs.

FEATURES

AST's A-Series includes five 1-phase UPS built for standalone and standard 19 inch racks – suitable for all businesses whatever their size and requirements.

- Online double-conversion power protection for servers, networks, and more
- Form factor specially designed for rack or tower right out of the box
- Power Range 1-10KVA: 1kVA (A1), 2kVA(A2), 3kVA (A3), 5kVA (A5) and 10kVA (A10)
- RoHS and WEEE compliance
- CE certificate
- High input power factor and wide input voltage range
- Compact form factor
- User-friendly, adjustable LED display and control panel
- Comprehensive UPS management software with remote power
- S232 series port interface and communication card slot
- SNMP port with advanced monitoring software (A1 does not include adapter)
- 2-year customer warranty with rapid product swap

IDEAL FOR



IT



Small/Medium-sized
Businesses



Security & Industrial
Processing
Environments



Professionals
(personal data storage,
small IT room, etc.)



TECHNICAL SPECIFICATIONS

	MODEL	A1	A2	A3	A5	A10
INPUT	Rating voltage (V)	In range 160-290V full load		In range 120V-290V, 50% load in range 160V-290V, full load		120-15-Vac half full load, 150-176Vac 75% full load, 176-276Vac 100% full load
	Rating frequency (Hz)	50 ±5%		50 ±10%		50 ±5%
	Input mode	Single-phase three-line		Single-phase three-line		Three-phase five line
	Battery voltage (V)	36	72	192		240
	Working without other phase					1.In condition without one of U and V phase, the other two phase voltage: between 176-276V UPS working with half load. The other two phase voltage between 120-176V, UPS working with 25 percent load. 2.In condition without U and V phase, the other two phase voltage between 176-276V, UPS working with 25 percent load. The other two phase voltage between 120-176V UPS working with 13 percent load.
OUTPUT	Capacity (VA/W)	1000/700	2000/1400	3000/2100	5000/3500	10000/7000
	Voltage (V)	230±2%		230±1%		220/230±2%
	Frequency (Hz)	50±0.2 (Battery mode)		50/60Hz(Battery mode)		50±0.1% Battery mode
	Waveform	Sine wave		Sine wave		Sine wave, THD < 3% (Linear load)
	Voltage distortion factor	THD < 3% (Linear load)				
	Power factor	0.7 (Lag)				
	Switching time (ms)	0				0
	Overload capacity	105% ~130% Load, lasting 60 seconds. 135% ~150% Load, lasting 30 seconds. ≥150% lasting 300 milliseconds		105%~129% Load, lasting 60 seconds. 130%~150% Load, lasting 30 seconds turn to BYPASS		105%-125% rating load ,last 10min then turn into bypass 125%-150% rating load ,last 1 min then turn into bypass Above 150% rating load ,last 1 sec then turn into bypass
OTHER	Output mode	Sockets		Line bar		Line bar
	Spare time	5 minutes (PC LOAD)				
	Charge recovery time	<12 hours (Standard time delay model)				<24 hours 100AH a group
	Communication interface					A10: RS232 interface; RS232 interface supports UPS power management software and UPSilon 2000 and SNMP adapter.
	Panel display	LED displays operation status of UPS		LED		LED displays operation status and parameter of UPS
	Warning function	Battery low voltage, abnormal power supply, UPS malfunction		Battery low voltage, abnormal power supply, UPS malfunction, overload		Incorrect connection of phase-sequence to input, Battery low voltage protection, Commercial power abnormal, UPS fault.
	Protection function	Battery low voltage protection, overload protection, short-circuit protection and excess temperature protection		Battery low voltage, abnormal power supply, UPS malfunction, overload.		Battery low-and-over-voltage protection, overload protection, short-circuit protection and excess temperature protection.
	Frequency noise (dB)	< 45				<65
	Working temperature	0 ~ 40		-20 ~ 40		0~40
	Relative humidity	0 ~ 95%, No condensation		0 ~ 95% No condensation		0~95% No condensation
	Size (mm)(H x W x D)	88x440x500		A3/A5: 440x700x130		440x670x220
	Weight (kg)	14	11	A3/A5: 17.5 External Battery Cabinet: 55.5(including BAT. 7Ah, 16 PCS)		35