

UPS online single phase

ATP 900 Tower

Power: 1~10KVA

PF 0.9/1.0



ATP 900 Tower series is suitable for powering a wide range of devices such as servers, data center, industrial processes, telecommunications and security systems.

Operation panel

Displays information on the status of the UPS, input and output electrical parameters, charge percentage and backup time of the UPS system. Allows the selection of operating modes and configuration of equipment operating parameters.



ATP 900 Tower Features

- High Frequency and Real Double Conversion.
- DSP digital control technology.
- Input power factor correction (PFC).
- Wide input voltage range.
- Output power factor 1.
- Cold start.
- Automatic frequency detection.
- ECO mode operation for energy saving.
- Selectable output voltage via LCD.
- Output bypass setting for 1,2,3kVA via LCD.
- 50Hz / 60Hz frequency conversion mode available in 6 x 10Kva.
- Built-in 6 x 10kVA Output Isolation Transformer.
- Selectable low voltage battery via LCD.
- Power - in Self-Test.
- Advanced Battery Management (ABM).
- Short circuit and overload protection.
- Automatic control of fan speed when loads vary.
- Standard RS232 communication port and RJ45 protection.
- Optional USB / NMSP communication port / emergency power off (EPO) / extension battery bank.
- Optional 6 x 10kVA / N + X parallel redundancy manual bypass on 6 x 10kVA.

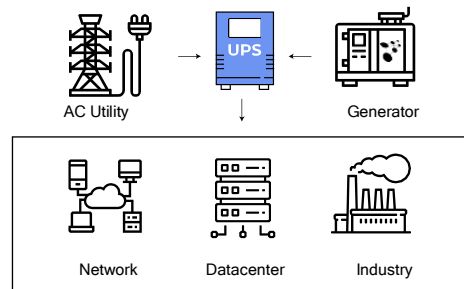
UPS Back panel

1. Overcurrent Protection
2. AC Input
3. Modem/Tel/Fax
4. DC Input
5. Outlet
6. FAN
7. RS232
8. USB (optional)
9. EPO (optional)
10. Manual Bypass (optional)
11. SNMP/AS400 (optional)
12. Breaker
13. Parallel Card (optional)
14. BAT_NTC (optional)
15. Temperature Detection (optional)
16. Intelligent Slot or RS485 (optional)
17. Reserved (optional)
18. GND
19. Terminals and Cover



Application fields

Perfect for IT, Server, Mission Critical Mission such as Data-center, and Industrial applications.



Technical specifications

MODEL	ATP901	ATP902	ATP903	ATP906	ATP9010
Capacity	1KVA / 1KW	2KVA / 2KW	3KVA / 3KW	6 kVA / 6 KW	10 kVA / 10KW
INPUT					
Rated voltage	100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac			208 / 220 / 230 / 240 Vac	
Voltage range	50 ~ 80Vac (linear derating between 50% and 100% load);			110 ~ 176 Vac (linear derating between 50% and 100% load);	
	80 ~ 150Vac (no derating);			176 ~ 288 Vac (no derating)	
Frequency	45 ~ 55Hz ± 0.5% or 55 ~ 65Hz ± 0.5% (auto-sense)			50 / 60 Hz (auto-sensing)	
Power factor	≥ 0.98			≥ 0.99	
Bypass voltage range	(90 ~ 140) ±5Vac			- 40% ~ +15% (settable)	
OUTPUT					
Voltage	100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac (settable via LCD)			208 (PF=0.9) / 220 / 230 / 240 Vac Or 110 / 115 / 120 Vac (two groups, their phase angles different by 180°)	
Voltage regulation	± 1%			± 5%	
Frequency	Synchronized with utility in mains mode; 50 / 60 ± 0.2Hz in battery mode			Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1% Hz in battery mode	
Waveform	Sinusoidal				
Crest factor	3:1				
Harmonic distortion	≤ 3% (linear load); ≤ 5% (non-linear load)			≤ 3% (linear load); ≤ 6% (non-linear load)	
Transfer time	Mains mode to battery mode :0 ms			0 ms	
	Inverter model to bypass mode:4 ms (typical)				
Overload capability	105% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms			105% ~ 110% durante 10 min, 110% ~ 125% durante 1 min, 126% ~ 150% durante 30 s	
BATTERIES					
DC voltage	24V	48V	72V	192 Vdc (192 ~ 240 Vdc settable)	
Inbuilt battery of standard model	2 × 9 Ah	4 × 9 Ah	6 × 9 Ah	12 V / 7 Ah × 16	12 V / 9 Ah × 16
Charging current	1A				
Typical recharge time	Standard model: 90% capacity restored in 3 hours				
SYSTEM					
Efficiency	≥ 90% in mains mode; ≥ 5% in battery mode; ≥ 95% in ECO mode			Max. 89.5% (max. 93% in ECO mode)	
Communications	RS232 (standard), USB / SNMP (optional)			RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)	
Display	LCD + LED				
ENVIRONMENTAL					
Operating humidity	0 ~ 95 % RH @ 0 ~ 40°C (non-condensing)				
Storage temperature	-25°C ~ 55°C (exclude batteries)				
Operating altitude	< 1000m, above 1000m, derating 1% for each rising 100m				
Protection class	IP20				
Noise level	≤ 50 dB (1 m)			≤ 55 dB(1m)	
OTHERS					
Dimensions (mm) W×D×H	144×357×215	190×452×341		262 × 712 × 732	
Packaged dimensions (mm) W×D×H	232×457×320	320×573×472		382× 825× 931	
Net/Gross weight (kg)	11.0 / 13.5	20.0 / 21.5	24.0 / 25.5	93.0 / 105.0	115.0 / 127.0

- Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 100Vac.
- S means standard model, H means long time model.
- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.

