

Online Single-phase UPS ATP 900 RT

Power: 1~10KVA

Input voltage: 100~127Vac or 200~240 Vac

Output voltage: 100~127Vac or 200~240 Vac



On-line double conversion ups, rack / tower format: perfect for it applications in racks and / or tower, servers, mission critical applications, and industrial.

ATP 900 RT Features

- Possibility of configuration in rack and tower format
- Built-in (6-10KVA) output isolation transformer
- Selectable low voltage battery via LCD
- High frequency and real double conversion
- Power - in self test
- DSP digital control technology
- Advanced battery management (ABM)
- Input power factor correction (PFC)
- Short circuit and overload protection
- Wide input voltage range
- Automatic charging in off mode
- Output power factor 0.9
- Automatic control of fan speed when loads vary
- Cold start
- Standard RS232 communication port and RJ45 protection
- Automatic frequency detection
- ECO mode operation for energy saving
- Optional USB / SNMP communication port / emergency power off (EPO) / extension battery bank
- Selectable output voltage via LCD
- Output bypass setting for 1,2,3kva via LCD
- Optional 6 -10kva / N + X parallel redundancy manual
- 50hz / 60hz frequency conversion mode available in 6 and 10KVA
- Bypass on 6 x 10KVA

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.

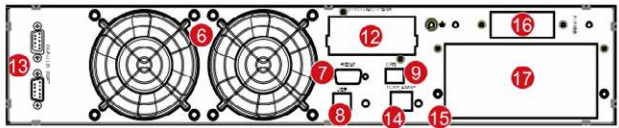


Rear Panel

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. SNMP/AS400 (optional)
11. Parallel Card (optional)
12. Intelligent Slot
13. Parallel Port(optional)
14. Temperature Detection(optional)
15. GND
16. Bypass Breaker
17. Terminal and Cover



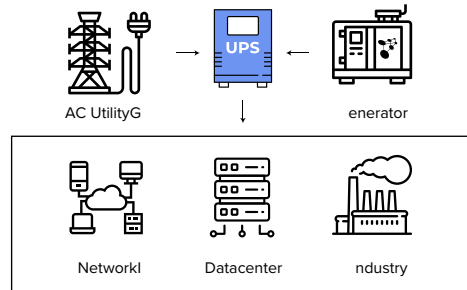
1-3 kVA



6-10 kVA

Application fields

Perfect for IT, server, mission critical such as Datacenter and industrial applications.



Technical specifications

MODEL	ATP901RT	ATP902RT	ATP903RT	ATP906RT	ATP9010RT
Capacity	1KVA / 900W	2KVA / 1800W	3KVA / 2700W	6 kVA / 6000 W	10 kVA/ 10000 W
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-sense)	
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			Mains mode to battery mode: 0 ms	
	Inverter mode to bypass mode:4 ms (typical)			Inverter mode to bypass mode: 0 ms	
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	8 h				
SYSTEM					
Efficiency	≥ 90% in mains mode; ≥ 87% in battery mode; ≥ 94% 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)	
OTHERS					
Humidity	20 ~ 90% HR @ 0 ~ 40 °C (non-condensing)			0 ~ 95% (non-condensing)	
Noise level	≤ 50 dB (1m)			≤ 55dB (1m)	≤ 58dB (1m)
Dimensions (mm) W×D×H	440×468×88	440×690×88		440 × 660 × 176 (UPS) 440 × 580 × 132 (transformer)	
Packaged dimensions (mm) W×D×H	530×590×170	530×825×170		554× 792× 418 (UPS) 511 × 683 × 192 (transformer)	
Net/Gross weight (kg)	12.0 / 13.5	28.5 / 30.0	33.5 / 35.0	58.0 / 68.0 49.0 (transformer)	63.0 / 73.0 69.0 (transformer)

