UPS online single phase
ATP 900 Tower

Power: 1~10KVA
PF 0.9/1.0

ATLANTIC
POWERenergy

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







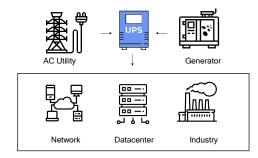
1KVA

2KVA/3KVA

6KVA/10KVA

Application fields

Perfect for IT, Server, Mission Critical Mission such as Datacenter, and Industrial applications.







Technical specifications

Cagacity 1KVA / 1KW 2KVA / 2KW 3KVA / 3KW 6 kVA / 6KW 10 kVA / 10 kW	MODEL	ATP901	ATP902	ATP903	ATP906	ATP9010	
Rated voltage 100 Vac / 110 Vac / 110 Vac / 120 Vac / 127 Vac 208 / 220 / 230 / 240 Vac 100 Vac / 110 Vac / 120 Vac / 127 Vac 208 / 220 / 230 / 240 Vac 100 Vac / 110 Vac / 120 Vac / 120 Vac 110 Vac / 120 Vac 110 Vac / 120 Vac 100 Vac / 120 Vac 120 Vac 120 Vac 100 Vac / 120 Vac 1	Capacity	1KVA / 1KW	2KVA / 2KW	3KVA / 3KW	6kVA/6KW	10 kVA/ 10KW	
Soft 80 Vac (linear derating between 50% and 100% load); 110* 176 Vac (linear derating between 50% and 100% load); 100* 176 Vac (linear derating between 50% and 100% load); 100* 20 Vac (linear derating) 100* 20	INPUT						
Solition Solition	Rated voltage	100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac 208 / 220 / 230 / 240 Vac					
Frequency	Voltage range	50 80Vac (linear derating between 50% and 100% load);					
Power factor		80 ~ 150Vac (no derating);			176 ~ 288 Vac (no derating)		
Pypeas voltage range	Frequency	45 ~ 55Hz ± 0.5% or 55 ~ 65Hz ± 0.5% (auto-sense)			50 / 60 Hz (auto-sensing)		
OUTPUT Voltage 100 Vac / 115 Vac / 120 Vac / 127 Vac (settable via LCD) 208 (PF=0.9) / 20 / 230 / 240 Vac 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 ± 0.2Hz in battery mode Waveform Synchronized to bypass in mains mode, 50 / 60 ± 2.0.1% in battery mode Waveform Synchronized to bypass in mains mode, 50 / 60 ± 2.0.1% in battery mode Waveform Synchronized to bypass in mains mode, 50 / 60 ± 2.0.1% in battery mode Waveform Synchronized to bypass in mains mode, 50 / 60 ± 2.0.1% in battery mode Synchronized to bypass in 3.0 s Intended time in main mode, 50 / 60 ± 2.0.1% in battery mode in bypass in 3.0 s Oms BATTERIES DC voltage 24V 48V 72V 192 Vol (192 Vol (192 Vol (192 Vol Vol settable)) BATTERIES DC voltage 24V 48V 72V 192 Vol (192 Vol (Power factor	≥ 0.98			≥ 0.99		
Voltage 100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac (settable via LCD) 208 (PF-0.9) / 220 / 230 / 240 Vac On 110 / 115 / 20 Vac (hos groups, sher phase engles different by 180 / 150 Vac (hos groups, sher phase engles of the phase of the phase of the phase engles of the phase of the phase of the phase engles of the phase of the phase engles engles of the phase engles of the phase engles of the phase engles of the phase engles engles engles engl	Bypass voltage range	(90 [~] 140) ±5Vac			- 40% ~ +15% (settable)		
Voltage 100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac (setable vis LCD) Or 110 / 115 / 120 Vac (two groups, their phase angles differents by 160") Voltage regulation ± 1% ± 5% Frequency Synchronized with utility in mains mode, 50 / 60 ± 0.2Hz in battery mode Synchronized to bipass in mains mode, 50 / 60 Hz ± 0.1% Waveform Synchronized by Datas in mains mode, 50 / 60 Hz ± 0.1% Creet factor 3:1 Harmonic distortion ± 3% (linear load); 5% (non-linear load) ≤ 3% (linear load); 5% (non-linear load) Transfer time Mains mode to battery mode 0 ms 0 ms Transfer time Intermetion of bipass in 30 s (10% - 150% transfer to bypass in 300 s (11% - 110% durants 10 min, 11% - 11% durants 10 min, 11% - 11% for 10% transfer to bypass in 300 ms 1105% - 110% durants 10 min, 11% for 10% transfer to bypass in 300 ms 1105% - 110% durants 10 min, 11% for 10%	OUTPUT						
Prequency Synchronized with utility in mains mode;50 / 60 ± 0.2Hz in battery mode Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1%	Voltage	100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac (settable via LCD)			Or 110 / 115 / 120 Vac (two groups, their phase angles		
Waveform Sinuscidas Sinu	Voltage regulation	± 1%			± 5%		
Circlest factor 3:1 Harmonic distortion ≤ 3% (linear load); ≤ % (non-linear load) ≤ 3% (linear load); ≤ % (non-linear load) ≤ 3% (linear load); ≤ % (non-linear load) ≤ 6% (non-linear load); ≤ % (non-linear load) ≤ 6% (non-linear load); ≤ % (non-linear load); ≤ % (non-linear load); Combinear load; ≤ % (non-linear load); Combinear load; Combinear load; <th< td=""><td>Frequency</td><td colspan="3">Synchronized with utility in mains mode;50 / 60 ± 0.2Hz in battery mode</td><td colspan="2"></td></th<>	Frequency	Synchronized with utility in mains mode;50 / 60 ± 0.2Hz in battery mode					
Harmonic distortion \$ 3 % (linear load); ≤ 5% (non-linear load) Transfer time	Waveform	Sinusoidal					
Mains mode to battery mode : 0 ms 0 ms	Crest factor	3:1					
Transfer time	Harmonic distortion	≤ 3% (linear load);≤ 5% (non-linear load)					
Noverload capability 105% ~ 150%: transfer to bypass in 30 s; 105% ~ 110% durante 10 min, 110% ~ 125% durante 1 min, 126% ~ 150%: transfer to bypass in 30 s; 105% ~ 110% durante 10 min, 110% ~ 125% durante 1 min, 126% ~ 150% durante 30 s	Transfer time	Mains mode to battery mode :0 ms			0 ms		
Deveload capability		Inverter model to bypass mode:4 ms (typical)					
DC voltage 24V 48V 72V 192 Vdc (192 * 240 Vdc settable)	Overload capability				110% ~ 125% durante 1 min,		
Inbuilt battery of standard 2 × 9 Ah	BATTERIES						
model 2 × 9 An 4 × 9 An 6 × 9 An 12 V / 7 An × 16 12 V / 9 An × 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 / RS485 / dry contacts / SNMP / battery temperature compensation (optional) ENVIRONMENTAL Operating humidity 0 ~ 95 % RH @ 0 ~ 40 °C (non-condensing) Storage temperature - 25° C ° 55° C (exclude batteries) Operating altitude < 1000 mm, above 1000m, derating 1% for each rising 100m Protection class IP20 Noise level ≤ 50 dB (1 m) ≤ 55 dB(1m) CTHERS Dimensions (mm) W×D×H 144×357×215 190×452×341 262×712×732 Packaged dimensions (mm) W×D×H 144×357×320 320×573×472 382×825×931	DC voltage	24V	48V	72V	192 Vdc (192 ~ 240 Vdc settable)		
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 / 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 144×357×320 320×573×472 382×825×931		2 × 9 Ah	4 × 9 Ah	6 × 9 Ah	12 V / 7 Ah × 16	12 V / 9 Ah × 16	
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) 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	Charging current	1A					
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	Typical recharge time	al recharge time Standard model: 90% capacity restored in 3 hours					
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) 232×457×320 320×573×472 382×825×931	SYSTEM						
Display LCD + LED	Efficiency	≥ 90% in mains mode; ≥ 5% in battery mode; ≥ 95% in ECO mode			Max. 89.5% (max. 93% in ECO mode)		
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	Communications	RS232 (standard), USB / SNMP (optional)					
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	Display	LCD+LED					
Storage temperature -25°C ~ 55°C (exclude batteries) Operating altitude < 1000m, above 1000m, derating 1% for each rising 100m	ENVIRONMENTAL						
Operating altitude < 1000m, above 1000m, derating 1% for each rising 100m	Operating humidity	0 ~ 95 % RH @ 0 ~ 40°C (non-condensing)					
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	Storage temperature	-25°C [~] 55°C (exclude batteries)					
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	Operating altitude	< 1000m, above 1000m, derating 1% for each rising 100m					
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	Protection class	IP20					
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	Noise level	≤ 50 dB (1 m)			≤ 55 dB(1m)		
Packaged dimensions (mm)	OTHERS						
W×D×H 232×437×320 320×373×472 362× 623× 331	Dimensions (mm) W×D×H	144×357×215	190×4	152×341	262 × 712 × 732		
Net/Gross weight (kg) 11.0 / 13.5 20.0 / 21.5 24.0 / 25.5 93.0 / 105.0 115.0 / 127.0		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	

- $\bullet\,$ 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.



