

# Online single-phase UPS

## ATP 900 G4 Tower

Power: 6~20KVA, PF1

Input voltage: 208 / 220 / 230 / 240 Vac

Output voltage: 240Vac or 2x120 Vac



Congratulations on your choice of the UPS uninterruptible power system ATP900G4, the UPS comes in nominal power ratings of 6-20kVA. It is designed to provide conditioned power to computers and other sensitive electronic equipment.

### Features

- High frequency and true double conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range
- Output power factor 1.0
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- 50Hz/60Hz frequency conversion mode available
- Built in output isolation transformer
- Selectable battery low voltage via LCD
- Power-on self-test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging battery in OFF mode
- Fan speed auto control when loads varies
- Standard RS232 communication port and RJ45 protection
- Optional USB/SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional manual bypass
- Optional N+X redundancy parallel

### UPS Back panel

1. FAN
2. RS232
3. USB (optional)
4. EPO (optional)
5. Breaker
6. Parallel card (optional)
7. Temperature detection (optional)
8. Intelligent slot or RS485 (optional)
9. Reserved (optional)
10. GND
11. Terminals and cover



## Technical specifications

MODEL	ATP906 G4	ATP9010 G4	ATP9015 G4	ATP9020 G4
Capacity	6 kVA / 6 kW	10 kVA / 10 kW	15kVA / 15 kW	20kVA / 20 kW
<b>INPUT</b>				
Input wiring	Single-phase three-wire (1Φ + N + PE)			
Rated voltage	208 / 220 / 230 / 240 VAC			
Voltage range	110 ~ 176 VAC (linear derating between 50% and 100% load); 176 ~ 288 VAC (no derating)			
Rated frequency	50 / 60 Hz (auto-sensing)			
Frequency range	40 ~ 70 Hz			
Power factor	≥ 0.99			
Bypass voltage range	- 40% ~ +15% (settable)			
Total harmonic distortion (THDi)	≤ 8%			
<b>OUTPUT</b>				
Output wiring	Single-phase three-wire (1Φ + N + PE)			
Rated voltage	208 (PF=0.9) / 220 / 230 / 240 VAC Or 110 / 115 / 120 VAC (two groups, their phase angles different by 180°)			
Voltage regulation	± 5%			
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz±0.1% Hz in battery mode			
Waveform	Sinusoidal			
Total harmonic distortion (THDv)	≤ 3% (linear load); ≤ 6% (non-linear load)			
Crest factor	3:1			
Overload	105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s			
<b>BATTERIES</b>				
DC voltage	192 VDC (192 ~ 240 VDC settable)			
Number of batteries	16 pcs (16 ~ 20 settable)			
Inbuilt battery (standard model)	12 V / 7 Ah × 16	12 V / 9 Ah×16	12 V / 9 Ah × 16 (two groups)	12 V / 9 Ah × 16 (two groups)
Charging current	1 A			
Recharge time	90% capacity restored in 8 hours			
<b>SYSTEM</b>				
Efficiency	max. 89.5% (max. 93% in ECO mode)		max. 90% (max. 93% in ECO mode)	
Transfer time	0 ms			
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure			
Communications	RS 232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)			
Display	LCD + LED			
<b>OTHERS</b>				
Operating temperature	0°C ~ 40°C			
Storage temperature	-25°C B39~ 55°C (without battery)			
Relative humidity	0 ~ 95% (non-condensing)			
Altitude	≤ 1000 m, derating 1% for each additional 100 m			
IP rating	IP 20			
Noise level	≤ 55 dB		≤ 58 dB	
Dimensions (W × D × H) (mm)	262 x 712 x732		350 x 745 x 1183	
Packaged dimensions (W × D × H) (mm)	382 x 825 x 931		460 x 890 x 1366	
Net weight / Gross weight (kg)	93.0 / 105.0	115.0 / 127.0	256.0 / 271.0	

