

# AP900II

1KVA~10KVA  
220V



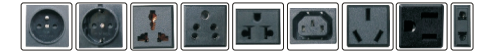
## Features

- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range (110V-300V)
- Output power factor 0.9/0.8
- Optimized Battery configuration: 1K-24V/36V, 2K-48V/72V, 3K-72V/96V
- Code start
- Frequency adaptive
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable for 1,2,3KVA via LCD
- 50Hz/60Hz frequency converter mode available on 6-10KVA
- Selectable battery low voltage via LCD
- Automatically diagnose when starts
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatically charging battery at UPS off mode
- Fan speed auto control when load varies
- Standard RS232 communication port and RJ45 protection
- Optional USB/SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional built-in isolation transformer
- Optional manual bypass on 6-10KVA
- Optional N+1 redundancy parallel on 6-10KVA

## Rear Panel



- ① Overcurrent Protection
- ② AC Input
- ③ Modem/Tel/Fax
- ④ DC Input
- ⑤ Outlet
- ⑥ FAN
- ⑦ RS232
- ⑧ SNMP/USB/AS400(Optional)



## Specifications

MODEL	AP901II	AP902II	AP903II	AP906II	AP9010II			
Capacity	1KVA/900W	2KVA/1800W	3KVA/2700W	6KVA/5400W	10KVA/9000W			
<b>INPUT</b>								
Rated Voltage	208V/220V/230V/240VAC							
Voltage Range	Half load (115-295)±5VAC, Full load (145-295)±5VAC		Half load (115-295)±5VAC, Full load (165-295)±5VAC					
Frequency	45-55Hz±0.5%Hz or 55-65Hz±0.5%Hz (Auto Sensing)			40-70Hz±0.5% (Auto Sensing)				
Power Factor	≥0.98							
Bypass Voltage Range	Rated output voltage-34V- Rated output voltage+32V		160V ~ Rated output voltage+32V					
<b>OUTPUT</b>								
Voltage	208V/220V/230V/240VAC Setting available via LCD							
Voltage Regulation	±1%							
Frequency	Synchronized with utility on AC mode;50/60±0.2Hz on battery mode							
Waveform	Pure sine wave							
Crest Factor	3:1							
Harmonic Distortion	≤3%(Linear load);≤5%(Non-linear load)			≤2%(Linear load);≤5%(Non-linear load)				
Transfer Time	AC mode to battery mode :0ms Inverter model to bypass mode:4ms(Typical)			AC mode to battery mode :0ms Inverter model to bypass mode:0ms				
Overload Capability	105%-150%: Transfer to bypass after 30s; >150%: Transfer to bypass after 300ms			105%-125%: Transfer to bypass after 3mins; 125%-150%: Transfer to bypass after 30s; >150%: Transfer to bypass after 100ms				
<b>EFFICIENCY</b>								
AC Mode	≥90%			≥92%				
Battery Mode	≥87%			≥91%				
ECO Mode	≥98%			≥98%				
<b>BATTERY</b>								
DC Voltage	24V	36V	48V	72V	72V	96V	192V	
Inbuilt Battery of Standard Model	2*9Ah	3*7Ah	4*9Ah	6*7Ah	6*9Ah	8*7Ah	16*7Ah	16*9Ah
Charge Current	Standard Model							1A
	Long Time Model							6A
Typical Recharge Time	8 hours recover to 90% capacity							
<b>ALARM</b>								
Utility Failure	Beep/4s							
Battery Low	Beep/1s							
Overload	Beep Twice/1s							
UPS Fault	Long Beep							
<b>ENVIRONMENT</b>								
Humidity	20~90% RH @ 0~40°C (non-condensing)							
Noise Level	≤50dB (1m)			≤55dB (1m)				
<b>MANAGEMENT</b>								
Standard RS-232 ,Optional USB	Supports Windows 98/2000/2003/XP/Vista/2008/7/8							
Optional SNMP	Power management from SNMP manager and web browser							
<b>PHYSICAL</b>								
Dimension(mm) W*D*H	144x357 x215	144x410 x215	190x452 x341	190x470 x341	190x452 x341	190x470 x341	262x514x455(H) 262x514x735(S)	
Packing Dimension(mm) W*D*H	230x445 x315	230x492 x315	320x550x462			360x650x540(H) 360x650x795(S)		
Net Weight(kg)	6.0(H)	6.5(H)	12.0(H)	13.0(H)	12.0(H)	13.0(H)	26.0(H)	
	10.0(S)	13.0(S)	20.0(S)	25.0(S)	24.0(S)	29.0(S)	67.0(S)	
Gross Weight(kg)	7.0(H)	7.7(H)	13.3(H)	14.3(H)	13.3(H)	14.3(H)	28.0(H)	
	11.0(S)	14.5(S)	21.5(S)	26.5(S)	25.5(S)	30.5(S)	78.0(S)	

\* Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208VAC. ♦ All specifications subject to change without notice.  
\* S means standard model, H means long backup time model. ♦ Custom-made specifications are acceptable