

# ARES

YOUR RELIABLE UPS PARTNER



**AR900II**  
1KVA~3KVA  
220V  
PF 0.8/0.9

### Specifications

MODEL	AR901II	AR902II	AR903II	AR901II	AR902II	AR903II	
Capacity	1KVA/800W	2KVA/1600W	3KVA/2400W	1KVA/900W	2KVA/1800W	3KVA/2700W	
<b>INPUT</b>							
Rated Voltage	208V/220V/230V/240VAC						
Voltage Range	Half load (110-300) ± 5VAC; Full load (160-300) ± 5VAC						
Frequency	40-70Hz(Auto Sensing)						
Power Factor	≥ 0.98						
Bypass Voltage Range	Rated output voltage-34V ~ Rated output voltage+32V						
<b>OUTPUT</b>							
Voltage	208V/220V/230V/240VAC Setting available via LCD						
Voltage Regulation	± 1%						
Frequency	45-55Hz or 55-65Hz (Synchronized range); 50/60 ± 0.2Hz(Battery mode)						
Waveform	Pure sine wave						
Crest Factor	3:1						
Harmonic Distortion	≤ 2%(Linear load); ≤ 5%(Non-linear load)						
Transfer Time	AC mode to battery mode :0ms Inverter model to bypass mode:4ms(Typical)						
Overload Capability	105% - 150%: Transfer to bypass after 30s; > 150%: Transfer to bypass after 300ms						
<b>EFFICIENCY</b>							
AC Mode	≥ 90%						
Battery Mode	≥ 87%						
ECO Mode	≥ 94%						
<b>BATTERY</b>							
DC Voltage	24V	48V	72V	36V	72V	72V	96V
Inbuilt Battery of Standard Model	2x9Ah	4x9Ah	6x9Ah	3x7Ah	6x7Ah	6x9Ah	8x9Ah
Charge Current	Standard Model	1A					
	Long Time Model	6A		NO			
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)						
<b>MANAGEMENT</b>							
Standard RS-232 , Optional USB	Supports Windows® 98/2000/2003/XP/Vista/2008/ Windows® 7/8						
Optional SNMP	Power management from SNMP manager and web browser						
<b>PHYSICAL</b>							
Dimension(mm) WxDxH	144x357x215	190x452x341		144x410x215	190x452x341		
Packing Dimension(mm) WxDxH	230x445x315	320x550x462		231x492x316	320x550x462		
Net Weight(kg)	5.6(H), 10.1(S)	11.0(H), 20.5(S)	11.6(H), 25.7(S)	13.0(S)	23.5(S)	26.6(S)	
Gross Weight(kg)	6.9(H), 11.4(S)	13.1(H), 22.7(S)	13.7(H), 27.9(S)	14.5(S)	25.0(S)	28.8(S)	

● Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208VAC.  
● S means standard model, H means long backup time model.

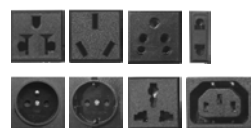
● All specifications subject to change without notice.  
● Custom-made specifications are acceptable

### 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 0.8/0.9
- Cold start
- Frequency adaptive
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable via LCD
- 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

### 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)



Optional socket

