

Online High Frequency UPS



AR900II

6KVA~20KVA (PF0.9) (1/1, 3/1 Phase)



Features

- High frequency and true double-conversion
- DSP digital control technology
- Wide input voltage range (110V-300V)
- Output power factor 0.9
- Optimized Battery configuration: 192V/240V
- Code start
- Frequency adaptive
- ECO mode operation for energy saving
- 50/60Hz frequency converter mode
- Selectable output voltage via LCD
- Selectable battery shutdown voltage(EOD) via LCD
- Selectable input mode via LCD: 3/1 or 1/1
- 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/USB Communication port
- Standard emergency power off (EPO)
- Optional RS232/SNMP/AS400/ communication port
- Optional extension battery bank
- Optional battery temperature compensation
- Optional built-in isolation transformer for 6KVA/10KVA
- Optional manual bypass
- Optional N + 1 redundancy parallel

Rear Panel



- ① Parallel Card(Optional)
- ② BAT.NTC
- ③ AC Input
- ④ DC Input
- ⑤ Outlet
- ⑥ FAN
- ⑦ RS232
- ⑧ SNMP/AS400 (Optional)
- ⑨ USB
- ⑩ Manual Bypass(Optional)
- ⑪ Breaker
- ⑫ EPO (Optional)

6/10KH

15/20KH

6/10KS

Specifications

MODEL	AR906II	AR9010II	AR9015II	AR9020II
Capacity	6KVA/5.4KW	10KVA/9KW	15KVA/13.5KW	20KVA/18KW
INPUT				
Rated Voltage	3/1: 360V/365V/380V/400V/415VAC; 1/1: 208V/210V/220V/230V/240VAC.(Set up by LCD display)			
Voltage Range	3/1: Half load (190-520)±5VAC, Full load (277-520)±5VAC; 1/1: Half load (110-300)±5VAC, Full load (160-300)±5VAC.			
Frequency	40-70Hz±0.5% (Auto sensing)			
Power Factor	3/1: ≥0.95; 1/1: ≥0.99.			
BYPASS				
Voltage Range	160V-Rated output voltage+32V			
Frequency	50/60Hz±5Hz			
OUTPUT				
Voltage	208V/210V/220V/230V/240Vac Setting available via LCD			
Voltage Regulation	±1%			
Frequency	Synchronized with utility on AC mode; 50/60±0.1Hz on 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 mode to bypass mode: 0ms			
Overload Capability	105%-125%: Transfer to bypass after 3mins; 125%-150%: Transfer to bypass after 30s; >150%: Transfer to bypass after 100ms			
EFFICIENCY				
AC Mode	≥93%			
Battery Mode	≥92%			
ECO Mode	≥98%			
BATTERY				
DC Voltage	92V/240VDC			
Inbuilt Battery of Standard Model	16*7AH	16*9AH	NO	
Charge Current	Standard Model	1A		NO
	Long Time Model	7A		
Typical Recharge Time	8 hours recover to 90% capacity			
ALARM				
Utility Failure	Beep/4s			
Battery Low	Beep/1s			
Overload	Beep Twice/1s			
UPS Fault	Long Beep			
ENVIRONMENT				
Humidity	20~90% RH @ 0~40°C (non-condensing)			
Noise Level	≤58dB (1m)		≤60dB (1m)	
MANAGEMENT				
Standard RS-232 and USB	Supports Windows 98/2000/2003/XP/Vista/2008/7/8			
Optional SNMP	Power management from SNMP manager and web browser			
PHYSICAL				
Dimension(mm) WxDxH	262x580x455(H), 262x580x732(S)		262x580x628(H)	
Packing Dimension(mm) WxDxH	355x682x615(H), 359x687x822(S)		359x687x717(H)	
Net Weight(kg)	25.0(H), 73.0(S)	25.5(H), 74.0(S)	38.5(H)	39.0(H)
Gross Weight(kg)	28.5(H), 82.5(S)	29.0(H), 83.5(S)	47.0(H)	47.5(H)

• Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208Vac.
• 3/1 means three phase input and single phase output mode, 1/1 means single phase input and single phase output mode.
• S means standard model, H means long backup time model.

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