

# ARES

## AR903PS

### 3kVA / 2.7kW

### With USB



#### Features

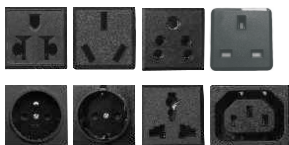
- High frequency on-line double conversion technology
- DSP (Digital signal processors) control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110 V ~ 300 Vac) and frequency range (40 ~ 70 Hz)
- Auto sensing frequency
- 50 / 60 Hz frequency conversion
- Cold start
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, 90% capacity restored in 3 h (standard model UPS)
- Linear derating in low voltage input reducing battery discharging times
- Settable delayed start when power is restored
- Advanced battery management (ABM)
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode
- Multi-platform communications: RS232, USB (standard) RS485 / SNMP / dry contacts (optional)

#### Available Options

- Optional RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function, and 12 A charger (2/3 kVA only)

#### Rear Panel

1. Overcurrent Protection
2. AC Input
3. Modem/Tel/Fax
4. DC Input
5. Outlets
6. Fan
7. RS232
8. EPO (optional)
9. USB (standard)
10. SNMP/AS400 (optional)



Optional outlets



## Specifications

MODEL	AR903PS	
Capacity	3 kVA / 2700 W	
INPUT		
Rated voltage	208 / 220 / 230 / 240 Vac	
Voltage range	110 ~ 176 Vac ( linear derating between 50% and 100% load ); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)	
Frequency	40 ~ 70 Hz (auto-sensing)	
Power factor	$\geq 0.99$	
Bypass voltage range	- 25% ~ +15% (settable)	
Total harmonic distortion (THDi)	$\leq 6\%$	
OUTPUT		
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)	
Voltage regulation	$\pm 1\%$	
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz $\pm 0.1$ Hz (battery mode)	
Waveform	Sinusoidal	
Power factor	0.9	
Total harmonic distortion (THDv)	$\leq 2\%$ (linear load), $\leq 5\%$ (non-linear load)	
Crest factor	3:1	
Overload	105% ~ 125% for 1 min, 125% ~ 150% for 30 s, > 150% for 300 ms	
BATTERIES		
DC voltage	72 V	96 V
Inbuilt battery	6×9 Ah	8×7 Ah
Charging current (max.)	1 A	
Recharge time	Standard model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery	
SYSTEM		
Efficiency	$\geq 92\%$ (Mains mode)	
	$\geq 87\%$ (Battery mode)	