

# ARES

## AR901PSRT 1KVA/900W PF 0.9



### 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 (110V ~ 300Vac) and frequency range (40 ~ 70Hz)
- Auto sensing frequency
- 50/60Hz 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)

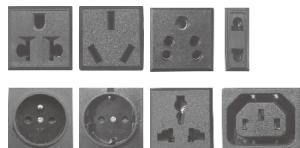
- Linear derating in low voltage input reducing battery discharging times
- Settable delayed start when power is restored
- Advanced battery management (ABM)
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode
- Multi-platform communications: RS232&USB(standard); RS485 / SNMP / dry contacts (optional)

### Available Options

- Standard USB&RS485, Optional AS400 dry contacts, SNMP card, SMS alarms, EPO function, MBS (External maintenance bypass switch)

### Rear Panel

1. Overcurrent Protection
2. AC Input
3. Modem/Tel/Fax
4. DC Input
5. Outlet
6. FAN
7. RS232
8. EPO (optional)
9. USB
10. Intelligent Slot



Optional sockets



## Specifications

MODEL	AR901PSRT
Capacity	1 KVA / 900 W
<b>INPUT</b>	
Rated voltage	208 V / 220 V / 230 V / 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-sense )
Power factor	≥ 0.99
Bypass voltage range	-25% ~ +15% ( settable )
<b>OUTPUT</b>	
Voltage	208 V / 220 V / 230 V / 240 Vac ( settable via LCD )
Voltage regulation	± 1%
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz ( synchronized range ); 50 / 60 Hz ± 0.1 Hz ( battery mode )
Waveform	Sinusoidal
Crest factor	3:1
Harmonic distortion	≤ 2% ( linear load ); ≤ 5% ( non-linear load )
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms ( typical )
Overload capability	105% ~ 125%: transfer to bypass in 1 min; 125% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms
<b>EFFICIENCY</b>	
Mains mode	≥ 90%
Battery mode	≥ 85%
ECO mode	≥ 95%
<b>BATTERIES</b>	
DC voltage	36 V
Inbuilt battery	3 × 7 Ah
Charging current (max.)	1 A
Recharge time	8 h
<b>ALARMS</b>	
Utility failure	4 s per beep
Low battery	1 s per beep
Overload	1 s twice beep
UPS fault	Long beep
<b>COMMUNICATIONS</b>	
RS232&USB(standard)	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / Windows® 7 / 8 / 10
SNMP (optional)	Power management from SNMP manager and web browser
<b>OTHERS</b>	
Operating temperature	0 ~ 40°C
Relative Humidity	0 ~ 90% ( non-condensing )
Noise level	≤ 50 dB ( 1m )
Dimensions (W × D × H) (mm)	440 × 468 × 88
Packaged dimensions (W × D × H) (mm)	545 × 592 × 198
Net weight (kg)	13.78
Gross weight (kg)	17.3

●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 time model.

●All specifications subject to change without notice.

●Custom-made specifications are acceptable.