



آریاتک  
*Aryatak*

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## ARYA900Pro RT

1 kVA ~ 3 kVA  
PF 0.9



1:1



### 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 (70-40Hz)
- Auto sensing frequency
- 60 / 50 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
- Hot-swappable battery
- Advanced battery management (ABM)
- Multiple functions settable via LCD: output voltage, EOD, auto start, bypass, ECO and frequency conversion mode
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP / dry contacts (optional)

### REAR PANEL

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




MODEL	EA901PSRT			EA902PSRT			EA903PSRT	
Capacity	1 kVA / 900 W			2 kVA / 1800 W			3 kVA / 2700 W	
<b>INPUT</b>								
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	≥ 0.99							
Bypass voltage range	-25 % ~ +15 % (settable)							
<b>OUTPUT</b>								
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)							
Voltage regulation	± 1 %							
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 160 Hz ± 0.1 Hz (battery mode)							
Waveform	Sinusoidal							
Crest factor	3:1							
Total harmonic distortion (THDv)	≤ 2% (linear load); ≤ 5% (non-linear load)							
Transfer time	Mains mode to battery: 0 ms; Inverter mode to bypass mode: 4 ms (typical)							
Overload	105 % ~ 125 % for 1 min, 125 % ~ 150 % for 30 s, > 150 % for 300 ms							
<b>EFFICIENCY</b>								
Mains mode	≥ 90%			≥ 91%			≥ 92%	
EGO mode	≥ 95%			≥ 96%			≥ 97%	
<b>BATTERIES</b>								
DC voltage	24 V	36 V	36 V	48 V	72 V	72 V	72 V	96 V
Inbuilt battery	2×9Ah	3×7 Ah	/	4×9Ah	6×7 Ah	/	6×9Ah	/
Charging current (max.)	2 A		6 A	2 A			2 A	6 A
Recharger time	Standard model: 90 % capacity restored in 3 hours; Long time model: depend on the capacity of battery							
<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>OTHERS</b>								
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)							
EMI	IEC IEN62040-2 IEC61000-4-2(ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (surge) IEC61000-4-6/4-8/4-11							
EMS								
Operating temperature	0 °C ~ 40 °C							
Relative humidity	0 ~ 90% (non-condensing)							
IP rating	IP 20							
Noise level	≤ 50 dB (1m)							
Dimensions (W x D x H) (mm)	440 × 368 × 88	440 × 468 × 88		440 × 528 × 88	440 × 650 × 88	440 × 468 × 88	440 × 650 × 88	440 × 468 × 88
Packaged dimensions (W x D x H) (mm)	545 × 492 × 198	545 × 592 × 198		545 × 652 × 198	545 × 852 × 198	545 × 592 × 198	545 × 852 × 198	545 × 592 × 198
Net weight (kg)	11.1	13.8	7.6	21.4	27.2	9.7	30.6	10.1
Gross weight (kg)	14.4	17.3	11.1	25.0	31.3	13.2	34.7	13.6


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





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