

# EA900RT

1KVA ~ 10KVA  
PF 0.9 / 1.0



## Features

- Rack and tower convertible
- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range
- Output power factor 1.0 on 6 ~ 10KVA
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable via LCD
- Selectable battery low voltage via LCD
- Power-on self test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging in OFF mode
- Fan speed auto control when loads varies
- Standard RS232 communication port and RJ45 protection
- Optional USB / SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional N+X redundancy parallel on 6 ~ 10KVA

## 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)
11. Parallel Card (optional)
12. Intelligent Slot
13. Parallel Port(optional)
14. Temperature Detection(optional)
- 15.GND
- 16.Bypass Breaker
- 17.Terminall and Cover



1-3 kVA



6-10 kVA

## Specifications

MODEL	EA901RT	EA902RT	EA903RT	EA906RT	EA9010RT
Capacity	1 KVA / 900 W	2 KVA / 1800 W	3 KVA / 2700W	6 KVA / 6000 W	10 KVA / 10000 W
<b>INPUT</b>					
Rated voltage	100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac		208 Vac / 220 Vac / 230 Vac / 240 Vac		
Voltage range	50~80Vac (linear derating between 50% and 100% load); 80 ~ 150Vac (no derating);		110 ~ 176 Vac (linear derating between 50% and 100% load);176 ~ 288 Vac (no derating)		
Frequency	45 ~ 55Hz ± 0.5% or 55 ~ 65Hz ± 0.5% (auto-sense)		50 / 60 Hz (auto-sense)		
Power factor	≥ 0.98		≥ 0.99		
Bypass voltage range	(90 ~ 140)±5 Vac		-40% ~ +15% (settable)		
<b>OUTPUT</b>					
Voltage	100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac (settable via LCD)		208 (PF=0.9) / 220 / 230 / 240 Vac Or 110 / 115 / 120 Vac (two groups, their phase angles different by 180°)		
Voltage regulation		± 1%	± 5%		
Frequency		Synchronized with utility in mains mode; 50/60±0.2Hz in battery mode	Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1% Hz in battery mode		
Waveform		Sinusoidal			
Crest factor		3:1			
Harmonic distortion	≤ 3% (linear load); ≤ 5% (non-linear load)		≤ 3% (linear load); ≤ 6% (non-linear load)		
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)		Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 0 ms		
Overload capability	105% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms		105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s		
<b>BATTERIES</b>					
DC voltage	24 V	48 V	72 V	192 Vdc (192 ~ 240 Vdc settable)	
Inbuilt battery of standard model	2 × 9 Ah	4 × 9 Ah	6 × 9 Ah	12 V / 7 Ah × 16	12 V / 9 Ah × 16
Charging current		1 A			
Typical recharge time		8 h			
<b>SYSTEM</b>					
Efficiency	≥ 90% in mains mode; ≥ 87% in battery mode; ≥ 94% in ECO mode		Max. 89.5% (max. 93% in ECO mode)		
Communications	RS232 (standard), USB / SNMP (optional)		RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)		
<b>OTHERS</b>					
Humidity	20~90% RH @ 0~40°C (non-condensing)		0 ~ 95% (non-condensing)		
Noise level	≤ 50dB (1m)		≤ 55dB (1m)		
Dimensions (mm) W×D×H	440 × 468 × 88	440 × 690 × 88	440 × 580 × 88 (UPS) 440 × 580 × 132 (transformer) 440 × 680 × 88 (battery)		
Packaged dimensions (mm) W×D×H	530 × 590 × 170	530 × 825 × 170	554 × 696 × 168 (UPS) 511 × 683 × 192 (transformer) 556 × 794 × 190 (battery)		
Net/Gross weight (kg)	12.0 / 13.5	28.5 / 30.0	33.5 / 35.0	58.0 / 68.0	63.0 / 73.0
				49.0 (transformer)	69.0 (transformer)

● All specifications subject to change without notice.