EA900RT

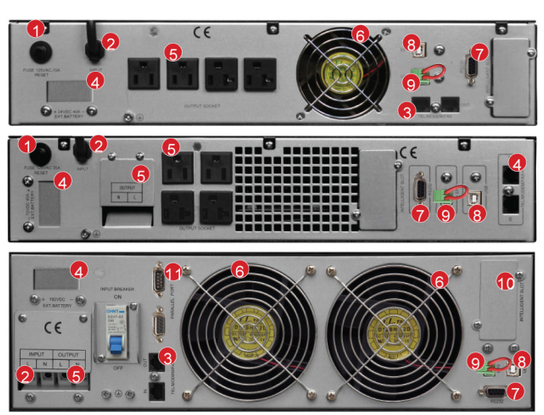
1KVA ~ 10KVA
PF 0.9 / 1.0

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)



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
INPUT					
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)	
OUTPUT					
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	
BETTERIES					
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				
SYSTEM					
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)	
OTHERS					
Humidity	20~90% RH @ 0~40℃ (non-condensing)			0 ~ 95% (non-condensing)	
Noise level	≤ 50dB (1m)			≤ 55dB (1m)	
Dimensions (mm) W×D×H	440 x 468 x 88	440 x 690 x 88		440 × 660 × 176 (UPS) 440 × 580 × 132 (transformer)	
Packaged dimensions (mm) W×D×H	530 x 590 x 170	530 x 825 x 170		554× 792× 418 (UPS) 511 × 683 × 192 (transformer)	
Net/Gross weight (kg)	12.0 / 13.5	28.5 / 30.0	33.5 / 35.0	58.0 / 68.0 49.0 (transformer)	63.0 / 73.0 69.0 (transformer)

- All specifications subject to change without notice.