EA900 RT

Li-ion model
1 kVA ~ 3 kVA
PF 0.9

Features

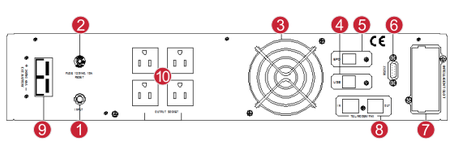
- High frequency and true double-conversion
- DSP (Digital signal processors) control technology
- Input power factor correction (PFC)
- Output power factor 0.9
- Wide input voltage range (50~ 150 Vac)
- Auto sensing frequency
- 50 / 60 Hz frequency conversion
- Cold start
- Effective software and hardware protection
- Linear derating in low voltage input reducing battery discharging times
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- Settable delayed start when power is restored
- Use lithium battery
  - High reliability, high power and energy density
  - Providing greater autonomy (15 min at full load for standard model UPS)
  - Long cycle life (≥ 2000 cycle times)
  - Greater performance at high/low temperature
- Advanced battery management (ABM)
- Rotatable display panel
- Multi-platform communications: RS232 (standard), USB/RS485/SNMP/dry contacts (optional)

Available Options

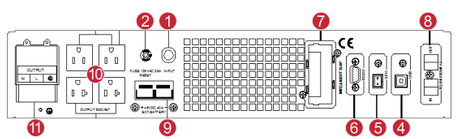
- Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function

Rear Panel

1.AC input
2.Overcurrent protector
3.Fan
4.USB port
5.EPO (Emergency Power Off) port
6.RS232 port
7.Intelligent slot
8.Surge protection for network/fax/modem
9.Battery connector
10.Output sockets
11.Output terminals



1KVA S



2/3KVA S

Specifications

MODEL	EA901SRT	EA902SRT	EA903SRT
Capacity	1 kVA / 900 W	2 kVA / 1800 W	3 kVA / 2700 W
INPUT			
Rated voltage	100 / 110 / 115 / 120 / 127 Vac		
Voltage range	50~ 80Vac (linear derating between 50% and 100% load); 80~ 150 Vac (no derating);		
Frequency	45 ~ 55Hz ± 0.5% or 55 ~ 65Hz ± 0.5% (auto-sense)		
Power factor	≥ 0.98		
Bypass voltage range	(90 ~ 140) ±5Vac		
Total harmonic distortion (THDi)	≤ 6%		
OUTPUT			
Voltage	100 / 110 / 115 / 120 / 127 Vac (settable via LCD)		
Voltage regulation	± 1%		
Frequency	Synchronized with utility in mains mode; 50 / 60 ± 0.2Hz in battery mode		
Waveform	Sinusoidal		
Power factor	0.9		
Total harmonic distortion (THDv)	≤ 3% (linear load); ≤ 5% (non-linear load)		
Crest factor	3:1		
Overload	105% ~ 150% for 30s, > 150% for 300 ms		
BATTERIES			
Battery type	Lithium iron phosphate Battery		
DC voltage	25.6 V	51.2V	76.8V
Inbuilt battery	8 × 3.2 V/12 Ah	16×3.2 V / 12 Ah	24×3.2 V / 12 Ah
Charging current (max.)	1 A		
Recharger time	Standard model: 90% capacity restored in 11 hours		
SYSTEM			
Efficiency	≥ 90% (Mains mode)		
	≥ 87% (Battery mode)		
	≥ 94% (ECO mode)		
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)		
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection		
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)		
Display	LCD + LED		
OTHERS			
Operating temperature	0℃ ~ 40℃		
Storage temperature	-25℃ ~ 55℃ (without batteries)		
Relative humidity	20~90% (non-condensing)		
Altitude	≤ 1000 m, derating 1% for each additional 100 m		
IP rating	IP 20		
Noise level at 1m	≤ 50 dB		
Dimensions (W × D × H) (mm)	440 × 468 × 88	440 × 583 × 88	440 × 683 × 88
Packaged dimensions (W×D×H) (mm)	580 × 590 × 200	545 × 707 × 201	545 × 807 × 201
Net weight(kg)	12	19	25
Gross weight(kg)	13.5	23	29

- S means standard model.
- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.