

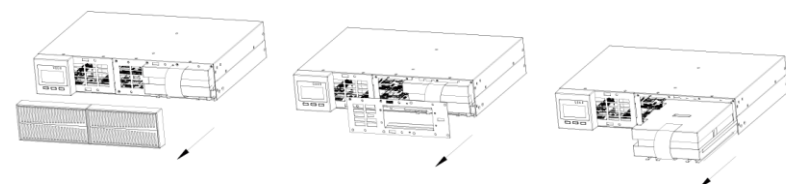
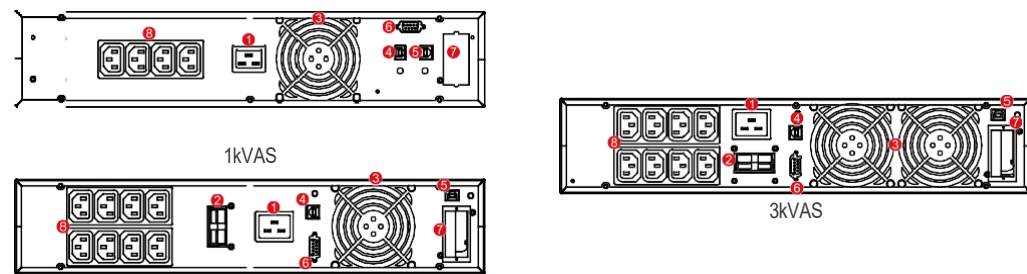


Features

- High frequency on-line double conversion technology
- DSP (Digital signal processing) control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 1.0
- Wide input voltage range (110 V - 300 Vac) and frequency range (40 - 70 Hz)
- Auto sensing frequency
- 50 / 60 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 3h (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 mode
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP / dry contacts (optional)
- Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function, MBS (External maintenance bypass switch)

Rear Panel

1. AC input socket
2. Battery connector (Optional)
3. Fan
4. USB (Optional)
5. EPO (Optional)
6. RS232
7. Intelligent slot (Optional)
8. Output sockets



Easy for maintenance, hot-swappable battery

Easy for maintenance, hot-swappable battery

Specifications

MODEL	EA901RT		EA902RT		EA903RT							
Capacity	1kVA/ 1kW		2kVA / 2kW		3kVA/ 3kW							
INPUT												
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)											
Total harmonic distortion	s 6%											
OUTPUT												
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)											
Voltage regulation	-L 1%											
Frequency	45 - 55 Hz or 55 - 65 Hz (synchronized range); 50 / 60 Hz * 0.1 Hz (battery mode)											
Waveform	Sinusoidal											
Power factor	0.9 / 1.0											
Total harmonic distortion (THDv)	ñ 2% (linear load); ñ 5% (non-linear load)											
Crest factor	3:1											
Overload	105% - 125% for 1 min, 125% - 150% for 30 s, > 150% for 300 ms											
BATTERIES												
DC voltage	24V (S)	24V (H)	36V (S)	36V (H)	48V (S)	48V (H)	72V (S)	72V (H)	72V (S)	72V (H)	96V (S)	96V (H)
Inbuilt battery	2 9Ah	/	3*7Ah		4x9 Ah	/	6x7 Ah	/	6x9 Ah	/	8x7 Ah	/
Charging current (max.)	Standard model: 1A, Long time model: 6A											
Recharger time	Standard model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery											
SYSTEM												
Efficiency	* 90% (Mains mode)		* 91% (Mains mode)		* 92% (Mains mode)							
	* 85% (Battery mode)		* 86% (Battery mode)		* 87% (Battery mode)							
	a 95% (ECO mode)		a 96% (ECO mode)		* 97% (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											
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1											
OTHERS												
Operating temperature	0E - 40E											
Storage temperature	-25E - 55E (without batteries)											
Relative humidity	0-95% (non-condensing)											
Altitude	s 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 *338 88	440 *468 x88	440 430 88	440 *468 x88	440 =430 x88	440 *468 88	440 560 x88	440 *468 88	440 560 x88	440 468 88(UPS)	440 468 88(BAT)	440 *468 88
Packaged dimensions (W D H) (mm)	545 428 x194	545 *592 x198	545 560 x201	545 *592 x201	545 560 x201	545 *782 x201	545 690 x201	545 592 x201	545 =690 x201	545 *592 x198	592x545 x198 (UPS)	545 592 x201
Net weight(kg)	10.6	7.6	15.5	7.6	18.7	9.7	25.6	9.7	26.8	10	9.45(UPS) 27.2(BAT)	10.1
Gross weight(kg)	11.3	11	18.6	11.1	21.8	14	25.8	13.2	29.7	13.5	12.97(UPS) 30.2(BAT)	13.6

•Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208 Vac.
•S means standard model, H means long time model.

•All specifications are subject to change without notice.
+Custom-made specifications are acceptable.