

Specifications

| MODEL | EA901PSRT | EA901PHRT | EA902PSRT | EA902PHRT | EA903PSRT | EA903PHRT | | | | |
|--------------------------------------|---|-----------|-----------------|-----------|-----------------|-----------------|--|---------------------------|-------|--|
| Capacity | 1 KVA / 900 W | | 2 KVA / 1800 W | | 3 KVA / 2700 W | | | | | |
| INPUT | | | | | | | | | | |
| Rated voltage | 208 V / 220 V / 230 V / 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-sense) | | | | | | | | | |
| Power factor | ≥ 0.99 | | | | | | | | | |
| Bypass voltage range | -25% ~ +15% (settable) | | | | | | | | | |
| OUTPUT | | | | | | | | | | |
| Voltage | 208 V / 220 V / 230 V / 240 Vac (settable via LCD) | | | | | | | | | |
| Voltage regulation | ± 1% | | | | | | | | | |
| Frequency | 45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode) | | | | | | | | | |
| Waveform | Sinusoidal | | | | | | | | | |
| Crest factor | 3:1 | | | | | | | | | |
| Harmonic distortion | ≤ 2% (linear load); ≤ 5% (non-linear load) | | | | | | | | | |
| Transfer time | Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical) | | | | | | | | | |
| Overload capability | 105% ~ 125%: transfer to bypass in 1 min; 125% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms | | | | | | | | | |
| EFFICIENCY | | | | | | | | | | |
| Mains mode | ≥ 90% | | ≥ 91% | | ≥ 92% | | | | | |
| Battery mode | ≥ 85% | | ≥ 86% | | ≥ 87% | | | | | |
| ECO mode | ≥ 95% | | ≥ 96% | | ≥ 97% | | | | | |
| BATTERIES | | | | | | | | | | |
| DC voltage | 24 V | 36 V | 36 V | 48 V | 72 V | 72 V | 72 V | 96 V | 96 V | |
| Inbuilt battery | 2 × 9 Ah | 3 × 7 Ah | / | 4 × 9 Ah | 6 × 7 Ah | / | 6 × 9 Ah | 8 × 7 Ah | / | |
| Charging current (max.) | 1 A | | 6 A | | 1 A | | 6 A | | 6 A | |
| Recharge time | 8 h | | | | | | | | | |
| ALARMS | | | | | | | | | | |
| Utility failure | 4 s per beep | | | | | | | | | |
| Low battery | 1 s per beep | | | | | | | | | |
| Overload | 1 s twice beep | | | | | | | | | |
| UPS fault | Long beep | | | | | | | | | |
| COMMUNICATIONS | | | | | | | | | | |
| RS232 (standard) / USB (optional) | Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / Windows® 7 / 8 / 10 | | | | | | | | | |
| SNMP (optional) | Power management from SNMP manager and web browser | | | | | | | | | |
| OTHERS | | | | | | | | | | |
| Operating temperature | 0 ~ 40°C | | | | | | | | | |
| Relative Humidity | 0 ~ 90% (non-condensing) | | | | | | | | | |
| Noise level | ≤ 50 dB (1m) | | | | | | | | | |
| Dimensions (W × D × H) (mm) | 440 × 468 × 88 | | 440 × 658 × 88 | | 440 × 468 × 88 | 440 × 658 × 88 | 440 × 468 × 88 (UPS) 440 × 440 × 86 (BAT) | 440 × 468 × 88 | | |
| Packaged dimensions (W × D × H) (mm) | 545 × 592 × 198 | | 545 × 782 × 198 | | 545 × 592 × 198 | 545 × 782 × 198 | 545 × 592 × 198 (UPS) 590 × 580 × 200 (BAT) | 545 × 592 × 198 | | |
| Net weight (kg) | 12.26 | 13.78 | 7.58 | 22.73 | 25.86 | 9.66 | 29.26 | 9.45 (UPS) 27.2 (BAT) | 10.04 | |
| Gross weight (kg) | 15.78 | 17.3 | 11.1 | 26.63 | 29.76 | 13.18 | 33.16 | 12.97 (UPS) 30.2 (BAT) | 13.56 | |

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

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