

Online UPS

EA900II

10KVA~60KVA(3/3)

PF 0.9

Ideal applications

ISP(Internet service provider) , IDC(Internet Data Center), Medium-scale network management system/ machine rooms, Billing Center,Bank/ Bonds clearing center, Business servers,Control application of Industrial process, medium-scale office automation,Precise instrument, etc.



EA900 II (3/3) series UPS is an advanced three-phase on-line high frequency UPS with full digital control technology, supporting three phase in single phase out working mode as well. It breaks the traditional design of tower UPS, adopting the idea of advanced modular design. This series not only ensures the compactness of layout, but also enhances the system's reliability. With its excellent electrical properties and perfect protective function in soft and hardware, EA900 II (3/3) series UPS could adapt to different Utility Powers and provide safe and reliable power protection for different loads.



Communication port

- 1 SNMP
- 2 RS232
- 3 RS485
- 4 USB
- 5 TEMP COMPENSATION
- 6 BATTERY PROTECTION
- 7 DRY CONTACT
- 8 PARALLEL PORT

Features

- Full digitized DSP control technology.
- True on-line double conversion with strong load-taking capability.
- Support three phase in single phase out working mode.
- Input power factor up to 0.99, lower harmonic current, green power, high efficiency & energy saving.
- Wide input voltage range, 50Hz/60Hz frequency self-adaptable, adapt to different utility condition.
- Support two modes of frequency conversion:50Hz input/60Hz output and 60Hz input/50Hz output, satisfy users' special requirement.
- "N+X" redundancy parallel up to 6 unit.
- Share battery pack in Parallel operation, saving user's battery cost.
- Digitized charger, with flexible charging parameter setting and battery configuration.
- Advanced intelligent battery management technique, prolong the working life of battery effectively.
- Support battery cold start and mains supply self-starting, satisfy the user's requirement.
- Complete isolation design between fragile components and air flue, improving the system reliability greatly.
- Fragile components been replaced as module easily at low maintenance cost.
- Perfect protective function in soft and hardware, robust self diagnose, abundant event log for future check.
- 5.7 inches multifunctional LCD touch screen, friendly human & machine interface.
- Abundant communication port, including RS232,RS485,USB,and SNMP etc.

Specifications

| Model | EA9010II | EA9015II | EA9020II | EA9030II | EA9040II | EA9060II |
|--|---|----------|----------|--------------|----------|----------|
| Rated Capacity | 10KVA | 15KVA | 20KVA | 30KVA | 40KVA | 60KVA |
| Input | | | | | | |
| Rated Input Voltage | 380/400/415VAC | | | | | |
| Input voltage range | 204~520VAC (Load≤50%) | | | | | |
| | 242~520VAC (50% < Load≤70%) | | | | | |
| | 304~520VAC (70% < Load≤100%) | | | | | |
| Input connection | 3phase+N+G | | | | | |
| Power factor | ≥0.99 | | | | | |
| Input current THD (Total harmonic distortion) | ≤3% | | | | | |
| Rated frequency | 50Hz/60Hz (self-adaptable) | | | | | |
| Main input frequency range | 40 ~ 70 Hz | | | | | |
| Bypass voltage range | 380/400/415V ± 20%VAC (settable) | | | | | |
| Output | | | | | | |
| Power factor | 0.9 | | | | | |
| Rated voltage | 380/400/415VAC | | | | | |
| Voltage precision | ± 1% | | | | | |
| Dynamic transient variation | ±5% (0~100% load variation) | | | | | |
| Voltage THD | ≤1 % (Linear Load) | | | | | |
| (Total Harmonic Distortion) | ≤3 % (Non-Linear Load) | | | | | |
| DC voltage ponderance | ≤100mv | | | | | |
| Output current crest factor | 3:1(Maximum) | | | | | |
| Output frequency | AC mode : Synchronized with utility power (Can be set to frequency conversion mode:50Hz input | | | | | |
| | and 60Hz output or 60Hz input and 50Hz output) | | | | | |
| | Battery mode : 50 Hz/60Hz | | | | | |
| Frequency tracing rate | ≤1 Hz/s | | | | | |
| Phase lock accuracy | 1° | | | | | |
| Overload capability on inverter mode | 110%<load≤130%, transfer to bypass after 10 minutes | | | | | |
| | 130%<load≤150%, transfer to bypass after 1 minute | | | | | |
| | Load>150%, transfer to bypass after 0.5s | | | | | |
| Overload capability on bypass mode | Load≤150%, long time running | | | | | |
| | Load>150%, shut off after 10s | | | | | |
| Transfer time | 0 ms (AC mode ↔Battery mode) ; 0 ms (Bypass mode ↔AC mode) | | | | | |
| System | | | | | | |
| System efficiency | ≥93% (≥50% load) | | | | | |
| Battery configuration | ± 192V (configure 2 groups battery individually on positive and negative, each of which is 16 pieces, | | | | | |
| | 17,18,19,20 pieces could be optional and configurable) .Standard UPS inbuilt 32pcs 12V/9AH | | | | | |
| | battery , Cabinet space can inbuilt 64pcs 12V/9AH battery maximum. | | | | | |
| Charge current | 1~12A | | | 1~24A | | |
| Maximum parallel numbers | 6 | | | | | |
| Operating temperature: | 0~40℃ | | | | | |
| Operating altitude | <1500 m (power derating above 1500m) | | | | | |
| Operating relative humidity | 0 ~ 95 % | | | | | |
| Storage temperature | -25 ~ 55℃ | | | | | |
| Noise(above ground 1m) | <60dB | | | | | |
| Safety | EN62040-1-1 | | | | | |
| Electrostatic discharge | IEC 61000-4-2 Level 3 | | | | | |
| Continued Electromagnetic Susceptibility (EMS) | IEC 61000-4-3 Level 3 | | | | | |
| Dynamic voltage compatibility | IEC 61000-4-4 Level 3 | | | | | |
| Surge distraction | IEC 61000-4-5 Level 4 | | | | | |
| Electromagnetic interference (EMI) | EN62040-2 (>25A) class A | | | | | |
| Display panel | 5.7 inches multifunctional LCD touch screen | | | | | |
| Audible alarm | Alarm when UPS transfer to battery mode and the battery voltage low | | | | | |
| Communication port | USB,RS232,RS485,dry contact (Standard configuration) | | | | | |
| | SNMP (optional) | | | | | |
| UPS cabinet (W×D×H) mm | 600×800×1280 | | | 600×800×1550 | | |
| Net/Gross Weight (kg) | 158/178 | 164/184 | 168/188 | 174/194 | 190/210 | 210/230 |

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