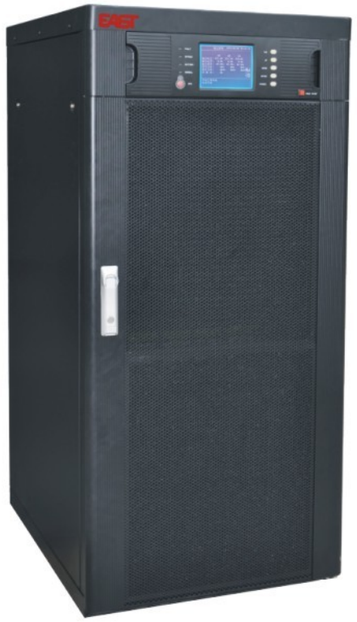
Online UPS

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