

EA900II

10KVA~120KVA(3/3)



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.

Features

- High frequency online double-conversion with DSP control
- Modular design, high reliability, easily maintenance
- Double input distribution, higher reliability of system
- Input power factor correction (PFC)
- Wide input voltage range, 50Hz/60Hz frequency self-adaptable
- Support two modes of frequency conversion: 50Hz input/60Hz output and 60Hz input/50Hz output
- Input power factor >0.99, input THDi ≤ 3%, output THDV ≤ 3%
- Output power factor 0.9
- High efficiency: load >10%, efficiency ≥ 90%; load >50%, efficiency ≥ 93%.
- Digitized charger: flexible charger parameter and battery configuration setting, monitoring battery disconnected on line
- Share battery pack in parallel operation or separate battery pack for different UPS
- Support battery cold start and mains supply self-starting
- 5.7 inches LCD touch screen, friendly human & machine interface
- Perfect protective function in hard and software, robust self diagnose, abundant event log for future check
- Perfect password control technology, including: the first power-on password control, user password control and Maintenance password control.
- Reminders of battery and DC BUS capacitors out of warranty
- Standard emergency power off (EPO)
- Standard RS232/USB/RS485/Dry contact communication port
- Optional SNMP communication port
- Optional N+1 redundancy parallel up to 6 units
- Optional built-in isolation transformer

Rear Panel



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

Communication port

Specifications

MODEL	EA9010II	EA9020II	EA9030II	EA9040II	EA9060II	EA9080II	EA90100II	EA90120II
Capacity	10KVA 9KW	20KVA 18KW	30KVA 27KW	40KVA 36KW	60KVA 54KW	80KVA 72KW	100KVA 90KW	120KVA 108KW
INPUT								
Rated Voltage	380V/400V/415VAC							
Voltage Range	204-520VAC(Load ≤ 50%);							
	242-520VAC(50% < Load ≤ 70%);							
	304V-520VAC(70% < Load ≤ 100%)							
Rated Frequency	50/60Hz Auto Sensing							
Frequency Range	40-70Hz							
Power Factor	≥ 0.99							
Total Harmonic Distortion(THDi)	≤ 3%							
Bypass Voltage Range	Rated output voltage-40%- Rated output voltage+20%(Setting available via LCD)							
OUTPUT								
Voltage	380V/400V/415VAC							
Voltage Regulation	± 1%							
Frequency	Synchronized with utility on AC mode;							
	(Frequency converter mode:50Hz input and 60Hz output,or 60Hz input and 50Hz output)							
	50/60Hz on battery mode							
Waveform	Pure sine wave							
Crest Factor	3:1							
Total Harmonic Distortion(THDV)	≤ 1%(Linear load); ≤ 3%(Non-linear load)							
Transfer Time	Between AC mode and battery mode :0ms							
	Between AC model and bypass mode:0ms							
	102%-125%:Transfer to bypass after 10mins;							
Inverter Overload Capability	125%-150%:Transfer to bypass after 1mins;							
	>150%: Transfer to bypass after 0.5s							
Bypass Overload Capability	≤ 150%: Long time running							
	>150%: Shut down after 10s							
BATTERY								
DC Voltage	± 192V(Option: ± 204V/ ± 216V/ ± 228V/ ± 240V)							
Inbuilt Battery of Standard Model	32*12V/ 9Ah	64*12V/9Ah		NO				
	Charger Current		1-12A (Setting available via LCD)		1-24A(Setting available via LCD)		1-24A(Setting available via LCD)	
Typical Recharge Time					1-48A(Optional)			
SYSTEM								
Efficiency	≥ 93%, ECO model 98.5%							
Display Panel	5.7 Inches LCD touch screen							
Alarm	Battery mode, Battery voltage low, Fans fault etc							
Maximum Parallel numbers	6							
EMI	EN62040-2							
EMS	IEC61000-4-2(ESD)							
	IEC61000-4-3(RS)							
	IEC61000-4-4(EFT)							
	IEC61000-4-5(Surge)							
ENVIRONMENT								
Humidity	0~95% RH @ 0~40°C(non-condensing)							
Noise Level	≤ 60dB							
MANAGEMENT								
Communication	RS232,RS485,USB,Dry contact							
	Supports Windows 98/2000/2003/XP/Vista/2008/7/8							
Optional SNMP	Power management from SNMP manager and web browser							
PHYSICAL								
Dimension(mm) W*D*H	600*800*1360				600*800*1680			
Packing Dimension(mm) W*D*H	720*920*1500				720*920*1820			
Net/Gross Weight(kg)	180/200	185/205	190/210	225/245	230/250	336/376	374/414	
	Without Inbuilt battery							

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