

EA 890

10-120 kVA

High output power factor 0.9
Three-phase/Three-phase

Highlights

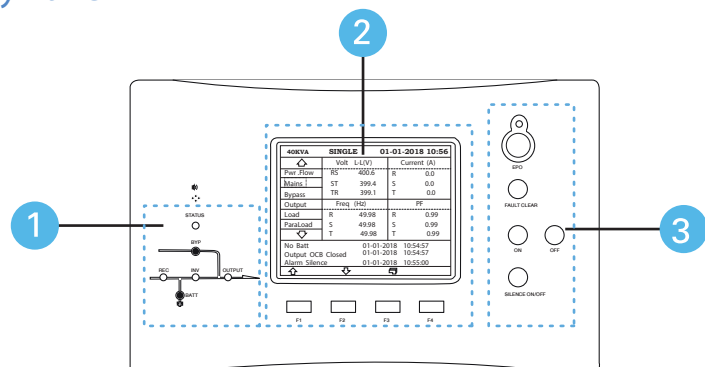
- Online double-conversion with full DSP control
- IGBT inverter with output isolation transformer
- 100% unbalance load capability
- Output power factor 0.9
- Generator compatible
- Support battery cold start and auto-restored
- ECO mode operation for energy saving
- Superior protection
- 5.7 inches LCD touch screen, friendly human & machine interface
- Front access makes maintenance and replacement easy (40 - 120KVA)
- Intelligent self diagnose function, all kinds of failure protection, large capability of history record storage
- High MTBF (>200,000 h)
- Low MTTR (< 0.5 h)
- Standard emergency power off (EPO)
- Standard RS232, RS485, dry contacts communication port
- Optional SNMP communication port
- Optional N+X redundancy parallel up to 6 units



TIS. 1291 (TYPE 1) 2553
TIS. 1291 (TYPE 2) 2553
TIS. 1291 (TYPE 3) 2555

EA890 is a intelligent 3 phase in 3 phase out uninterruptible power supply, it adopts double transform high frequency PWM and high performance digital control technique (DSP), with perfect protection, super network management function, reasonable man-machine interface and a series of precision design, meets all high reliability requirements of uninterruptible power supply and integrates reliable, safety, maintainability characteristics of a new generation low frequency UPS

Display Panel



1. LED Operation status
2. LCD Menu key
3. Control button

EA 890

10-120 kVA Three phase/Three phase

MODELS	EA8910	EA8915	EA8920	EA8930	EA8940	EA8960	EA8980	EA89100	EA89120	
Capacity (VA)	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	
Power (W)	9KW	13.5KW	18KW	27KW	36KW	54KW	72KW	90KW	108KW	
INPUT										
Voltage	380/400/415Vac 3Ø3W+N									
Voltage range	± 25%									
Frequency range	50/60Hz ± 5%									
Bypass voltage range	± 20%									
Power factor	≥ 0.95(with filter)									
Delayed start of rectifier	1 - 300 s (settable via display panel)									
ECO voltage range	± 10% (settable)									
OUTPUT										
Voltage	380/400/415Vac 3Ø3W+N									
Voltage regulation	± 1%									
Frequency	synchronized with utility in mains mode; 50Hz/60Hz ±0.1% in battery mode									
Waveform	Pure sine wave (Sinusoidal)									
Power factor	0.9									
THD	Linear load ≤2%; Non-linear load≤5%									
Overload	105%: long time running; 110% - 125% : transfer to bypass in 10 mins; 150% - 200% : transfer to bypass in 200 ms;			105% - 110% : transfer to bypass in 1 h; 110% - 125% : transfer to bypass in 10 mins; > 200% : transfer to bypass in 100 ms;						
Crest factor	3:1									
TRANSFER TIME										
AC mode » Battery mode	0ms (zero time)									
Inverter mode » Bypass	0ms (zero time)									
ECO mode » Inverter mode	5-10 ms									
BATTERY										
Battery voltage (VDC)	12V x configured battery number (settable via display panel)									
Number of battery	28 - 32 pcs (settable)									
Charging	Three-stage charging, auto switch floating / equalizing charge									
Battery state display	Display battery backup time, battery remaining capacity									
Battery self-test	Settable periodic self-test; manually configurable test time and voltage									
DISPLAY										
LED	Input, inverter, bypass, battery, output status									
LCD	Input & output voltage, frequency, power factor, battery voltage, battery current, battery status, load percentage, UPS status, history record, parameters setting									
COMMUNICATION										
Interface	Dry contact, RS232, RS485, SNMP card slot									
ENVIRONMENT										
Working temperature	0~40 °C									
Humidity	0~95% non-condensing									
Storage temperature	-25 °C~55 °C									
Noise (1m)	55dBA			60dBA			65dBA			
PHYSICAL CHARACTERISTICS										
Net weight (Kg)	158	165	175	210	260	460	590	630	690	
Gross weight (Kg)	200	207	217	252	302	480	620	660	720	
Dimension (WxDxH) mm	400x800x1100					600x700x1500		700x800x1700		
Packaged dimensions (WxDxH) mm	490x890x1170					690x790x1570		790x890x1790		
STANDARDS										
Safety	EN62040-1									
EMC	EN62040-2									
Performance	EN62040-3									



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- All specifications subject to change without notice.
- Custom-made specifications are acceptable.
- Manufactured by factory with ISO 9001, ISO 14001, CE, STANDARD