

EA890i

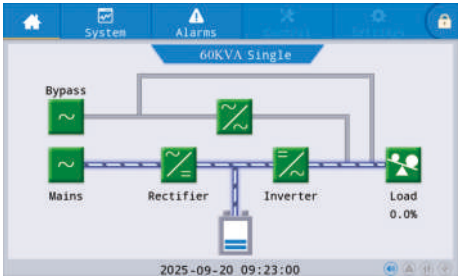
30 kVA ~ 60 kVA
PF 0.8
IGBT Rectifier



This series is an online dual-conversion UPS, a 2-level topology design with bidirectional rectifier and inverter, which supports regenerative load, specially for industrial loads like motors, lifts, and laser cutting machines. It also adopts an IGBT rectifier design with a high input power factor(≥ 0.99) and low THDi(<5%), which is a grid-friendly product. An inbuilt output isolation transformer design which has superior electrical safety performance and high system availability, and can also provide stable and reliable power supply guarantee for the industries of finance, transportation, telecommunication, and manufacturing.

Features

- Regenerative load supportable, no need for extra Dynamic Braking Resistor(DBR)
- IGBT rectifier design with high input power factor ≥ 0.99
- Online double conversion topology, accept dual-mains input
- DSP technology guarantees high reliability
- Input and output are completely isolated for great security
- True inbuilt galvanic isolation transformer design
- Strong mixed load capacity and high overload capacity
- Redundant fan design and independent ventilation enhances durable operation under harsh environment
- Intelligent self-diagnosing function, superior failure protection, large capability of history records storage
- High efficiency even at light loads
- Adjustable battery numbers
- Intelligent battery management to prolong battery life cycle
- The product features self-aging functionality, and is energy-saving and environmentally friendly
- N+X redundancy parallel operation with up to 6 units(option)
- Variety of communication options available
- EPO & ECO mode operation
- Generator compatible
- High MTBF(>200,000h)
- Low MTTR(<0.5h)



7" Touch Screen

Specifications

MODEL	EA8930i	EA8940i	EA8960i
Capacity	30kVA	40kVA	60kVA
INPUT			
Input wiring	Main circuit input: three-phase four-wire(3Φ+PE); Bypass input: three-phase five-wire(3Φ+N+PE)		
Rated voltage	380/400/415Vac		
Voltage range	285~467Vac		
Rated frequency	50/60Hz		
Frequency range	40~70Hz		
Power factor	0.99		
THDi	<5%		
OUTPUT			
Output wiring	Three-phase five-wire(3Φ+N+PE)		
Rated voltage	380/400/415Vac		
Output voltage regulation	± 1.5%		
Output frequency regulation	Main mode: synchronous with bypass input; battery mode: 50/60Hz ± 0.1%		
Waveform	Sinusoidal		
Power factor	0.8		
THDv	≤2%(linear load), ≤5%(non-linear load)		
Crest factor	3:1		
Overload	105%<load≤110% for 60mins, 110%<load≤125% for 10mins, 125%<load≤150% for 1min		
BATTERIES			
DC voltage	Default 600 Vdc		
Number of batteries	12Vx50PCS(50~52pcs settable)		
Charging current	Charging rate(settable) x battery capacity(settable) x number of battery groups(settable)		
SYSTEM			
Parallel	Up to 6 units		
Protections	Short-circuit, overload, overtemperature, overvoltage, undervoltage, battery low voltage and fan failure		
Communications	Standard: USB, RS232, RS485, dry contacts; Optional: SNMP card, battery temperture compensation		
Display	LCD touch screen+LED		
OTHERS			
Operating temperature	-5~40° C		
Storage temperature	-25° C~55° C(without battery)		
Relative humidity	0%~95%(non-condensing)		
Altitude	≤1000m, above 1000m, derating 1% for each additional 100m		
IP rating	IP20		
Dimensions(W×D×H)(mm)	400×785×1010		450×860×1210
Packaged dimensions (W×D×H)(mm)	400×785×1110		450×860×1310
Net weight(kg)	260	290	360
Gross weight(kg)	230	260	330

Note: Specifications are subject to change without notice.
Pictures are for reference only. Please refer to the actual product.