

EAST[®]

Online UPS

10kVA~80kVA

EA8600 Series (3:1)



Features:

100% digital technology

Self-diagnosis, circuit control, parameters setting and program management are based on 3 high speed micro-controllers.

Applies high-tech components

DDC (Direct Digital Control), DSP (Digital Signal Processing), ASIC (Application Specific IC) and CPU are used in this system.

Super performance from IGBT

High speed on/off, operating on high voltage and large current, simple gate control circuits (voltage-controlled), high efficiency, and high stability.

Fully meets sharp load fluctuation from 0 to 100%

Completely meet the requirements of sharp load fluctuation without transferring to bypass, and maintain the output within tolerance.

Large screen LCD display

Users can conveniently operate the UPS according to the instructions and easily get UPS operating status at any time via large screen LCD.

Perfect protections

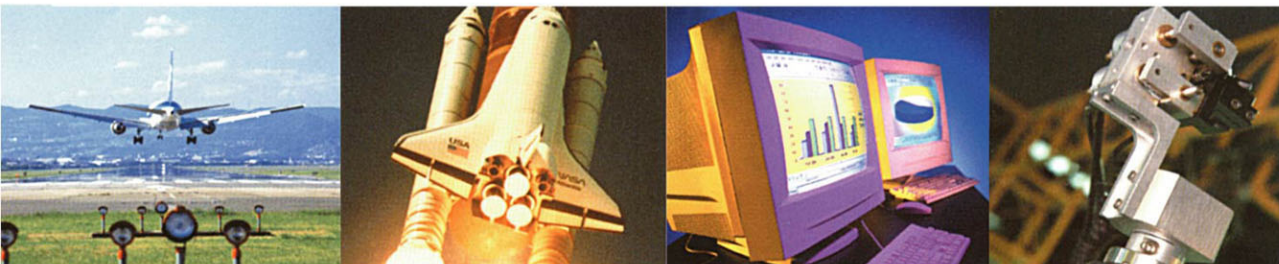
Built-in over/low-voltage, over-current, overload, and short circuit protections ensure lowest failure rate.

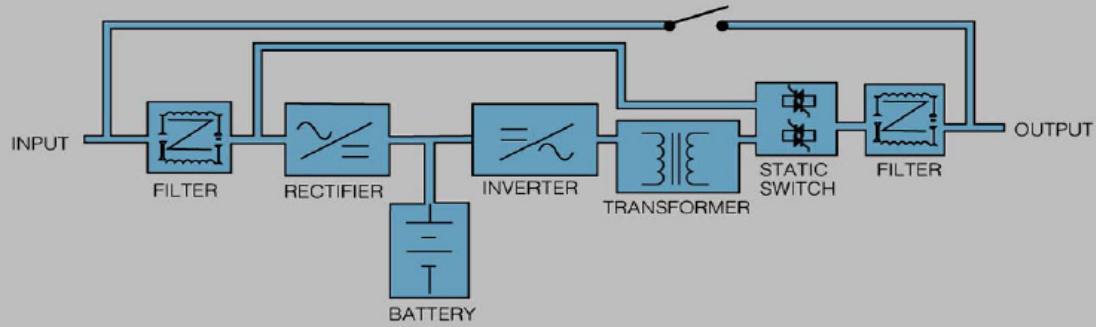
Low output voltage distortion

Owing to partial circulating current control, inverter could rapidly control impulse current from load change and surge. UPS can quickly respond to load change via feedback control.

Intelligent battery management

UPS will automatically charge and discharge the battery in float charging or boost charging mode according to the cycle set by the internal software, and automatically maintain the battery without manual operation, which prolongs the battery life.





Specifications

Model	EA8610	EA8615	EA8620	EA8630	EA8640	EA8650	EA8660	EA8680	
Rating	10kVA	15kVA	20kVA	30kVA	40kVA	50kVA	60kVA	80kVA	
Operating Mode and Principle									
True On-Line, Static Bypass (Uninterruptible Switch), Dual conversion, Output Galvanic Isolation									
AC Input									
Phase	3 Phases + N + G								
Voltage	380V \pm 25%								
Frequency	50/60 Hz \pm 5%								
Soft Start	0~100% 5s								
Bypass Input									
Phase	Single Phase								
Voltage	220V \pm 25%								
Frequency	50/60 Hz \pm 5%								
Transfer time	0 ms, Inverter/Bypass (Overload)								
DC System									
Voltage	360V (Rated Voltage) 30pcs Batteries								
	315V (Shutdown Voltage)								
Current	25A	38A	51A	76A	101A	126A	152A	203A	
AC Output									
Phase	Single Phase								
Voltage	220V \pm 1% (Stable Load); 380V \pm 5% (Fluctuated Load)								
Frequency	50~60Hz \pm 0.05 (Battery Mode)								
P.F.	0.8								
Waveform	True Sine Wave								
Harmonic Distortion	<3% (Linear Load); <5% (Non-Linear Load)								
Time	Transient Recovery Time: <10 ms								
Overload	125% for 10 Minutes; 150% for 1 Minute								
Cooling	Forced wind								
System									
Efficiency	91%	91%	92%	92%	93%	93%	93%	95%	
Communication	RS232, SNMP								
Temperature	0~40 °C (Operating)								
Humidity	30~90%								
Noise (db)	48~60		53~65			55~65			
Dimension (mm)	685x350x930		770x430x1080			750x720x1450		750x860x1600	



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