

# EA800

[On-line 1-15kVA single phase]

## EA800 [1-15kVA single phase]

EA800 mid and big power usage for single phase power supply

The capacity ranging from 1kVA to 15kVA, using advanced digital design gives the unit various possible applications.

The perfect combination of high-speed 16-digit chips and DDC control technology of ASIC and the advanced high-power components of IGBT and SCR, results in an intelligent UPS with high capacity, high reliability and advanced features.

Our EA800 series is a combination of the world's latest hardware, controlled by our advanced software. It can be used as a reliable protection for integral server rooms, network management centers, and computer centers.

Two high-speed microprocessors allow circuit control, parameter setting and operating system management control. The unit has advanced self-check and self-measurement functions for all independent circuits connected to the main board.

You can fully rely on the consistency of the sine-wave voltage by internally controlled digital transformation to meet any customer's needs.

Application of high-end technical products  
DDC, DSP, ASIC, CPU

### The features of IGBT

Good high-speed switching, characteristics of working with high-voltage and heavy current, using a voltage drive with low control power, and high work efficiency can be achieved; (low cost and low heat radiation); small driving circuit (due to application of voltage drive), high reliability (wide safe working area).

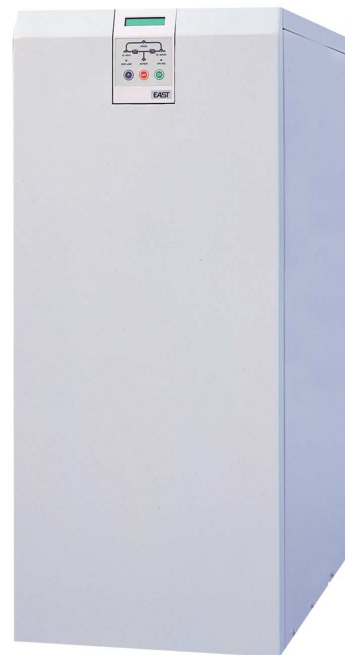
In many applications, the UPS should have the ability to withstand instant shock load. East UPS® has been proven to be able to fully satisfy this demand and can maintain a reliable output with no need to switch to a by-circuit.

### Complete protection functions

Protection functions include: alarm function for over-voltage, under-voltage, over-current, overload, short circuit, and distortion of waves.

### Convenient communication

RS232 communication port enables multi-functional communication and long-distance monitoring.



East UPS Europe BV technical data sheet EA800 [on-line 1 - 15kVA, single phase]								
	EA801	EA802	EA803	EA804	EA805	EA808	EA810	EA815
Ratings	1kVA	2kVA	3kVA	4kVA	5kVA	8kVA	10kVA	15kVA
<b>INPUT</b>								
Voltage	220V/230V/240V AC±25% (AVR)							
Frequency	50(60)Hz ±10%							
Phase	single + GND							
Max. Current	6A	10A	14A	24A	34A	45A	56A	68A
<b>OUTPUT</b>								
Voltage	220/230/240Vac							
Frequency	50(60)Hz							
Voltage tolerance	± 1%							
Frequency stability	± 0,5% (battery mode)							
Wave form	SPWM sine wave							
Power factor	0,85(without filter) 0,92 (with filter)							
Distortion	<3% (linear load)							
Transient voltage	± 4 %							
<b>BATTERY</b>								
Voltage	48VDC				192VDC			
Model	lead acid, maintenance free							
Charging time	90% capacity after 8-10 hours							
Efficiency	>85%							
Transfer time	0							
<b>ALARM FACILITY</b>								
Mains failure	battery level LED flash every 4 sec, buzzer sounds every 4 sec.							
Battery low	battery level LED flash every 1 sec, buzzer sounds every 1 sec							
Overload	load LED flash, buzzer sounds continuously							
UPS abnormal	buzzer sounds continuously							
<b>INTERNAL PROTECTION</b>								
Battery	when battery low switch off automatic							
Overload	transfer to bypass after overload (110-150%, 30 sec)							
High temperature	transfer to bypass when UPS temperature is higher than 85 °C							
Short circuit	limit current, switch off automatic							
UPS abnormal	automatic transfer to bypass							
RFI filter	10-100kHz at 40dB; 100kHz -- 100MHz at 70dB							
<b>LCD FRONT</b>								
LCD	display input voltage, frequency, battery voltage, output power							
Battery voltage low	low battery LED illuminate							
UPS LED	mains, inverter, bypass, UPS fault							
<b>ENVIRONMENT</b>								
Temperature	0-40°C							
Humidity	20-90% (non condensing)							
Noise	< 58dB (1m)							
<b>GENERAL</b>								
Interface	RS232							
Output	terminal							
Net weight (no bat)	35kg	57kg	68kg	76kg	78kg	100kg	110kg	125kg
Dimension (HxWxD) cm	50x21x49	53x21x56		70x23x58		87x30x85		

East™ UPS Europe B.V. reserves the right to implement changes in the technical data without prior announcement. Subject to printing errors and mistakes. 2004 05

East UPS Europe B.V.  
P.O. Box 152  
6860 AD Oosterbeek  
the Netherlands

E-mail  
[info@eastups-europe.com](mailto:info@eastups-europe.com)  
  
Internet  
[www.eastups-europe.com](http://www.eastups-europe.com)

**EAST**®