

# True On-Line UPS AHA-DX Series 5 & 6 KVA

The AHA-DX Series UPS is an advanced true on-line, double conversion UPS system which is Microprocessor controlled.

Generator compatibility is one important advantage for certain power supply conditions and RS232 communication advanced design make it compatible for sophisticated monitoring software.

Intelligent Microprocessor Controlled True On-Line system - providing no-break protection for critical applications.

- Double Conversion and Pure Sine Waveform Output - the cleanest, most compatible AC output for computer systems;
- 50KHz High Frequency Operation - compact size, lighter weight for decreased shipping costs;
- Near Unity Input Power Factor (>0.95) - saving input current by 1/3;
- Superior Output Voltage Regulation - Eliminates unnecessary battery discharges for violent voltage fluctuations;
- High Efficiency (>80%) - High energy efficiency reducing operating costs;
- RS232 Interface and SNMP Solutions - available for most operating systems.



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MODEL		AHA-DX-503-DX	AHA-DX-603-DX
Input	Voltage	Single Phase 220VAC - 20% +35%	
	Voltage Range	-15% +25% or -30% +40% (Input adding AVR function)	
	Frequency	50Hz or 60Hz $\pm$ 5%	
Output	VA Rating	5KVA	6KVA
	Wattage	4KW	4.8KW
	Voltage	Single phase 220VAC $\pm$ 5% (adjustable)	
	Frequency	50 / 60 Hz	
	Voltage Regulation	$\pm$ 1%	
	Frequency Stability	$\pm$ 0.5% (Free Running)	
	Transient Response	$\pm$ 3% (100% load variation)	
	Wave form	Sinewave THD < 3% at 0-100% linear load	
	Overload Capacity	120% load 30 seconds, > 150% constant power	
	Power Factor	0.7 - 1, lag	
	Crest Ratio	3 : 1	
Battery	Voltage	190VDC	
	Charger	5A charger built in	
Efficiency	AC to AC	> 85%	
Transfer Time	AC Fault	Zero	
Protection	Battery	Battery low shutdown and breaker	
	Overload	150% 30sec. switch to bypass line & automatic re-transfer	
	Short Circuit	Current limited, cut-off, fuse and breaker	
	UPS Fault	Bypass, load supplied from mains less than 2ms	
	EMI/EMC	EN50091-2, CE Approved	
Audible Alarm	Mains Failure	Sounding every four seconds after mains fail, 90 seconds mute	
	Final Discharge	Sounding once very second as battery approaches switch off	
	Overload	Continuously	
	UPS fault	Continuously	
Indicator	LCD	UPS status, I/P & O/P voltage, I/P & O/P frequency, Battery voltage, Loading %, History recorded	
	LED	Utility LED (green), Inverter LED (green), Battery Low (yellow), Bypass voltage (yellow), Fault LED (red), Overload (yellow)	
Interface	Contact Closure	Support MEGATEC RUPS UPS monitoring software	
	RS-232	Support MEGATEC RUPSII / UPSilon 2000 monitoring software	
Environment	Operation Temperature	0 - 40 deg C; 32 - 104 deg F	
	Relative Humidity	20 - 90% non-condensing	
	Audible Noise	Less than 45dB (at 1 meter)	
Physical	Net Weight (Kgs)	108 kgs	111 kgs
	Dimensions (W x H x D) mm	230 x 685 x 578	

We reserve the right to change specifications without prior notice