

POWERMASTER AHA Series True On-Line

- ~ Double conversion, IGBT module, true on-line isolation UPS
- ~ Single control board design for easy maintenance
- ~ User friendly design and simple operation
- ~ Wide input range suitable for harsh power environment
- ~ Constant power, special overload capacity design
- ~ Built-in high capacity battery charger for long backup time
- ~ Front panel LCD display for UPS status



Technical Specifications

MODEL		AHA 375-DX	AHA 503-DX	AHA 603-DX
Capacity		3.75 kVA / 3 kW	5 kVA / 4 kW	6 kVA / 4.8 kW
INPUT	Voltage	Single phase 230 VAC +/-15%		
	Frequency	50 Hz / 60 Hz +/-5%		
OUTPUT	Voltage	Single phase 230 VAC (+/-5% adjustable)		
	Voltage Regulation	+/-2%		
	Frequency	50 Hz / 60 Hz		
	Frequency Stability	+/-0.5% (Free Running)		
	Transient Response	+/-3% (100% load variation)		
	Waveform	Sinewave THD , 3% at 0 – 100% linear load		
	Overload Capability	110 - 150% for 30 seconds, 150% constant power		
	Power Factor	0.8, lag		
	Crest ratio	3:1		
	BATTERY	Voltage	192 VDC	
Charger		(Option for 5A charger)		
EFFICIENCY	AC to AC	>85%		
TRANSFER	AC Fault	Zero		
PROTECTION	Battery	Battery low shutdown and breaker		
	Overload	150% for 30 seconds. Switch to by-pass line with auto re-transfer		
	Short Circuit	Current Limited and Cut-Off. Fuse and breaker protection		
	UPS Fault	By-pass, load supplied from mains in less than 2ms		
	EMI / EMC	EN50091-1 Comply		
AUDIBLE ALARMS	Mains Failure	Sounding every four seconds after mains fail. Alarm mutes after 90 seconds		
	Battery Low	Sounding once very second as battery approaches low voltage		
	Overload / UPS Fault	Continuous		
INDICATOR	LCD	UPS state, IP & OP voltage, IP & OP frequency, Battery voltage, Loading %		
	LED	Utility LED (green), Inverter LED (green), Battery Low (amber), Bypass LED (amber), Fault LED (red), Overload (amber)		
INTERFACE	Contact Closure	Support MEGATEC RUPS UPS monitoring software		
	RS-232	Supports MEEGATEC RUPSII / UPSilon 2000 UPS monitoring software		
ENVIRONMENT	Operating Temp.	0 – 40 degrees C		
	Relative Humidity	20 – 90% non-condensing		
	Audible Noise	Less than 55dBA (at 1 meter)		
PHYSICAL	Net Wt / Batt. Wt (kgs)	104 kgs	122 kgs	125 kgs
	Net Dimension (wdh)	230 x 578 x 685 mm	230 x 578 x 685 mm	230 x 578 x 685 mm

Note : Specifications subject to change without prior notice

For more product information, please contact :

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