

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-703-DX	AHA-803-DX	AHA-104-DX	AHA-3104-DX
		7 kVA 5.6 kW	8 kVA 6.4 kW	10 kVA 8 kW	10 kVA 8 kW
INPUT	Voltage	Single phase 230 VAC +/-15% (option for wider input range +/-25%)			Three phase 4W 415 VAC -30% +25%
	Frequency	50 Hz / 60 Hz +/-5%			
OUTPUT	Voltage	Single phase 230 VAC			
	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	150% for 30 seconds, 150% constant power			
	Power Factor	0.7 - 1, lag			
	Crest ratio	3:1			
BATTERY	Voltage	192 VDC			
	Charger	Option for 5A / 10 A charger			
EFFICIENCY	AC to AC	>85%			
TRANSFER	AC Fault	Zero			
PROTECTION	Battery	Battery low shutdown and breaker			
	Overload	125% 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 Approved			
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)	136	157	158 / 262	175 / 262
	Net Dimension (wdh)	480 x 340 x 845 mm		480 x 340 x 845 mm by 2 cabinets	

Note : Specifications subject to change without prior notice

For more product information, please contact :

Powerwell Pte Ltd

60 Kaki Bukit Place, #06-13 Eunos TechPark, Singapore 415979

Tel : 7412468 Fax : 65-7413521 E-mail : powerwel@singnet.com.sg