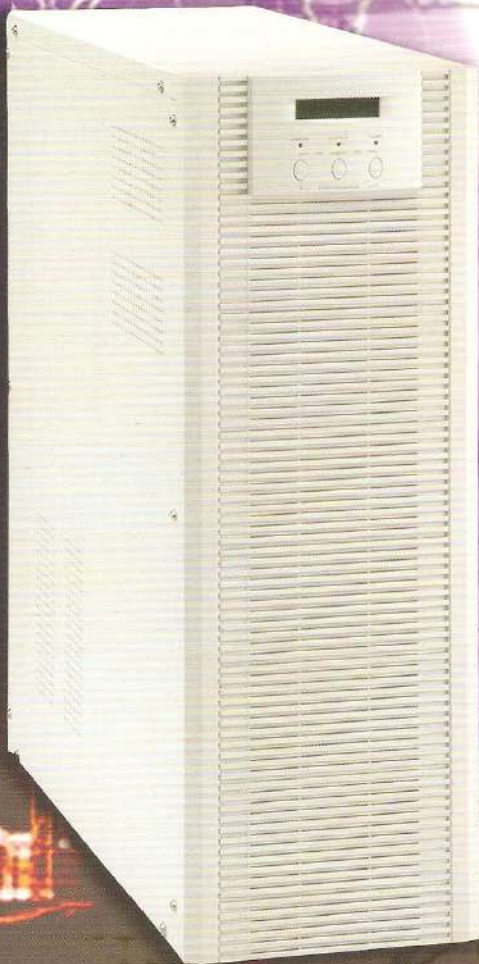


# On-Line UPS

- LCD/LED Display
- UPS status, I/P&O/P Voltage&Frequency  
Load %, Battery Voltage & %  
Temperature, Model Spec., Event Log
- Hi-Frequency
- True Sine wave
- Input Voltage Range
- 0 ms Transfer Time
- RS-232 Interface,SNMP Intelligent Slot
- RJ45 I/O port available for  
10 base-T network or Fax / Modem
- Smart micro CPU design
- Molduled design,easy maintenance
- Light weight, low noise
- additional batteries allowed
- Cooling fans built-in,temperature inside  
the ups never over heat





## 1~3K Hi-Frequency On-Line UPS Specification

Model (LCD Series)	AHA-103H	AHA-103HR	AHA-203H	AHA-203HR	AHA-303H	AHA-303HR
Model (LED Series)	AHA-103H-LED	AHA-103HR-LED	AHA-203H-LED	AHA-203HR-LED	AHA-303H-LED	AHA-303HR-LED
Capacity	1KVA / 700W		2KVA / 1400W		3KVA / 2100W	
Input	Nominal Voltage	115,220Vac				
	Voltage Range	80~143,160~300Vac (70% to 100% load), 70~143,140~300Vac (50% to 70% load), 60~143,118~300Vac (0% to 50% load)				
	Frequency	50Hz or 60Hz +/- 8%				
	Power Factor	> 0.95		> 0.97		
Output	Voltage	115,220Vac +/- 2% (115V or 120V,230V or 240V re-settable via LCD panel)				
	Frequency	Synchronized (Line mode), 50Hz or 60Hz +/-0.5% (Battery mode)				
	Wave-form	True Sine wave				
	Distortion	<3% (linear load)		<4% (Full linear load)		
	Capacity	105% - 150% for 30 sec., >150% for 200ms				
Battery	Crest Ratio	3:1				
	Type	Maintenance free sealed lead-acid battery				
	Capacity	12V / 7Ah * 3pcs		12V / 7Ah * 8pcs		
	Back-up (Full/Half load)	>7min / 18min		>9min / 18min		>6min / 15min
	Built-In Charger	1A				
	Charger (Option)	Built-In 8A Charger		Built-In 9A Charger		
Bypass	Recharger Time	5 hrs to 90% of full capacity after full load discharge				
	Automatic	Overload and UPS failure				
	By setting	Voltage Range: 115 +/- 20V (re-settable via LCD panel)				
Indicator UPS/SERVER (LCD Series)	Transfer Time	0 ms (2.5ms inverter to bypass)				
	LCD	UPS status, I/P&O/P Voltage & Frequency, Load %, Battery Voltage & %, Temperature, Model Spec., Event Log				
Removable (LCD Series)	LED	Normal (Green), Warning (Yellow), Fault (Red)				
	Display (LED Series)	Normal (Green), Bypass (Yellow), Battery Low (Yellow), Inverter (Green), Load % (5 LEDs), Battery % (5 LEDs), Fault (Red)				
Audible Alarm	Battery Mode	Beeping every 4 seconds (re-settable) and per second when battery low				
	Overload	Beeping twice per second				
Output	Fault	Beep Continuously				
	Socket	Tower	NEMA5-15R 5*3pcs or IEC320*4pcs		NEMA5-15R 5*6pcs or IEC320*6pcs	
		Rack (2u)	NEMA5-15R 5*4pcs or IEC320*4pcs		NEMA5-15R 5*2pcs or IEC320*2pcs + Terminal Block	
Interface	RS-232 Interface	UPSilon 2000 monitoring software				
	SNMP	For Net Agent II (Option) with SNMP manager and Web browser				
	Intelligent Slot	For Net Agent II (Option) with SNMP manager and Web browser				
Network	Surge Protection	RJ45 I/O port available for 10 base-T network or Fax / Modem				
	Temperature	0-40 °C ; 32-104 °F				
Environment	Humidity	0-95% non-condensing				
	Acoustic Noise	Less than 45dBa (at 1M )		Less than 50dBa (at 1 meter)		
Net Weight	w/o battery	6.5kgs	8.0kgs	13.5kgs	9.5kgs	14.5kgs
	w/ battery	15kgs	15.5kgs	34kgs	N/A	35kgs
Dimension (WxHxD) mm	Tower Case	160 x 220 x 400		200 x 352 x 450		
	Rack Case (2u)	440 x 88 x 465				

Tower Series: AHA-103H / 203H / 303H / 103H-LED / 203H-LED, 303H-LED

Rack Series: AHA-103HR / 203HR / 303HR / 103HR-LED / 203HR-LED / 303HR-LED

Rack Battery Bank (2u) is available for 8pcs (1set) 12V/7Ah or 9pcs (3 sets) 12V/7Ah batteries.

\*Specifications are subject to change without notice.

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## 6~20K Hi-Frequency On-Line UPS Specification

Model (LCD Series)	AHA-603H	AHA-104H	AHA-3104H	AHA-3154H	AHA-3204H
Model (LED Series)	AHA-603H-LED	AHA-104H-LED	AHA-3104H-LED	AHA-3154H-LED	AHA-3204H-LED
Capacity	6KVA / 4200W		10KVA / 7000W	10KVA / 7000W	15KVA / 10500W
Input	Nominal Voltage	1P2W 220Vac		3P4W 380Vac	
	Voltage Range	176~276Vac +/- 3Vac		304~478Vac +/- 3Vac	
	Frequency	50Hz or 60Hz +/- 8%			
	Power Factor	≥ 0.98		≥ 0.95	
Output	Voltage	220Vac +/- 1% (230V or 240V re-settable via LCD panel)			
	Frequency	50Hz or 60Hz +/- 8% Synchronized (Line Mode), 50Hz or 60Hz +/- 0.5% (Battery Mode)			
	Wave-form	True Sine wave			
	Distortion (Tower)	≤ 2% THD (Linear Load), ≤ 6% THD (Non-Linear Load)			
	Distortion (Rack)	<4% THD (Linear Load), <7% THD (Non-Linear Load)		N/A	
Battery	Crest Ratio	3:1			
	Type	Maintenance free sealed lead-acid battery			
	Capacity	12V / 7Ah * 20pcs	12V / 9Ah * 20pcs	N/A	
	Back-up	8 min.	5 min.	Depending on the capacity of external batteries	
	Built-In Charger	2A		4.2A	
	Charger (Option)	Built-In 4.2A Charger		N/A	
Bypass	Automatic	Overload and UPS failure			
	Transfer Time	0 ms (AC to DC & Inverter to Bypass)			
Indicator UPS/SERVER (LCD Series)	LCD	UPS status, I/P&O/P Voltage & Frequency, Load %, Battery Voltage, Temperature, Event Log			
	LED	Normal (Green), Warning (Yellow), Fault (Red)			
Audible Alarm	Display (LED Series)	AC input (Green), Bypass (Yellow), Battery Low (Yellow), Inverter (Green), Load % (5 LEDs), Battery % (5 LEDs), Fault (Red)			
	Battery Mode	Beeping every 4 seconds			
Interface	Battery Low	Beeping every seconds			
	Overload	Beeping twice per second			
	Fault	Beeping Continuously			
Network	RS-232 Interface	UPSilon 2000 monitoring software			
	SNMP	For Net Agent II (Option) with SNMP manager and Web browser			
Environment	Surge Protection	RJ45 I/O port available for 10 base-T network or Fax / Modem			
	Temperature	0-40 °C ; 32-104 °F			
Net Weight	Humidity	20-90% non-condensing			
	Acoustic Noise	Less than 55dBa (at 1M )		Less than 60dBa (at 1 meter)	
Dimension (WxHxD) mm	Tower Case	90kgs	93kgs	38.5kgs	55kgs
	Rack Case	18.3kgs	N/A		
Dimension (WxHxD) mm	Tower Case	260 x 717 x 570			
	Rack Case	482.6 x 132 x 600	N/A		

\*Specifications are subject to change without notice.