

Model (LCD Series)		AHA-103H/HR	AHA-203H/HR	AHA-303H/HR	AHA-603H	AHA-104H	AHA-3104H	AHA-3154H	AHA-3204H
Model (LED Series)		AHA-103H/HR-LED	AHA-203H/HR-LED	AHA-303H/HR-LED	AHA-603H-LED	AHA-104H-LED	AHA-3104H-LED	AHA-3154H-LED	AHA-3204H-LED
Input	Capacity	1KVA/700W	2KVA/1400W	3KVA/2100W	6KVA/4200W	10KVA/7000W		15kVA/10500W	20kVA/14000W
	Phase	Single Phase					3 Phase		
	Nominal Voltage	220Vac/110Vac			1P2W 220Vac		3P4W 380Vac		
	Voltage Range	160-300Vac(70%-100%load),140-300Vac (50%-70% load), 118-300Vac (0%-50% load)			176-276Vac ±3Vac		304-478 VAC		
	Frequency	50Hz / 60Hz ± 4Hz							
	Power Factor	≥0.95	≥0.97		≥0.98		≥0.95		
Output	Voltage		220VAC ± 2% (230V or 240V re-settable via LCD panel) 110V ± 2% (100V,115V or 120V re-settable via LCD panel)		220VAC ± 1% (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	Tower	≤3% (linear load) ≤ 6% non-linear load)	≤4% (linear load) ≤7% non-linear load)		≤4% (linear load) ≤7% non-linear load)			
		Rack	≤4% (linear load) , ≤7% non-linear load)				N/A		
	Overload Capacity		105% - 125% :5 min,125%~150%: 30 sec.>150% : 200ms			105% ~130%: 10 min., >130%: 1min			
	Crest Ratio		3: 1						
Battery	DC Voltage		36V	96V		240V			
	Capacity		12V / 7Ah×3 pcs		12V/ 7Ah×20pcs		12V/ 9Ah×20pcs	Depend on the capacity of external batteries	
	Back-up Time		>5min.	>9min.	> 5min.	>8 min.	>5 min.	Depend on the capacity of external batteries	
Charger	Built-In /Option		1Amp/8Amp	1Amp/8Amp		2Amp/4.2Amp (2 steps)		4.2 Amp(2 Steps)	
	Recharging Time		5 hrs to 90%			7 hrs to 90%	8 hrs to 90%	Depend on the capacity of external batteries	
Bypass	Automatic		Overload or UPS fault						
	By setting		Voltage Range: 176~256V±20V (Re-settable via LCD panel)			NA			
	Transfer Time		0 ms(2.5ms inverter to bypass)			0 ms (AC to DC & inverter to bypass)			

Indicator	LCD (Series)		UPS status, I/P&O/P Voltage & Frequency ,Load %, Battery Voltage, Battery Capacity % ,Temperature, Model Spec., Event Log. LED: Normal (Green), Warning (Yellow), Fault (Red)							
	LED (Series)		Normal (Green), Bypass(Yellow), Battery Low (Yellow), Inverter (Green), Load% (5 LEDs), Battery % (5 LEDs), Fault (Red)							
Outlet	Tower		NEMAx3pcs or IEC320x4pcs	NEMAx6pcs or IEC320x6pcs	NEMAx6pcs or IEC320x3+ TBx1	Terminal Blocks				
	Rack		NEMAx4pcs or IEC320x4pcs	NEMAx2+TBx1 or IEC320x4pcs	NEMAx2+TBx1 or IEC320x1+TBx1	Terminal Blocks				
Audible Alarm	Battery Mode		Beeping every 4 seconds (re-settable)							
	Battery Low		Beeping every seconds							
	Overload		Beeping twice per second							
	Fault		Beeping Continuously							
Interface	RS-232 Interface		UPSilon2000 monitoring software for Windows all, Unix systems and Novell.							
	Multi-Interface Slot		SNMP card, AS 400, Dry Contact, USB Selectable							
Network	Surge Protection		RJ45 I/O port for Network or RJ 11 for Fax / Modem			N/A				
Parallel			N/A			Available (Option)				
Environment	Temperature		0~40°C; 32~104°F							
	Humidity		0-95% non-condensing							
	Acoustic Noise		<45 dBA (at 1M)	<50 dBA (at 1 M)		<55 dBA (at 1 M)		<60 dBA (at 1 M)		
Physical	Weight (w/o Battery)		6.5 kgs (Tower) 8.0 kgs (Rack)	13.5kgs (Tower) 9.5 kgs ((Rack)	14.5kgs (Tower) 10.5kgs (Rack)	35 kgs	38kgs	38.5kgs	55kgs	55kgs
	Weight (w/ Battery)		15 kgs (Tower) 15.5 kgs (Rack)	34 kgs (Tower) N/A (Rack)	35 kgs (Tower) N/A (Rack)	90 kgs	93kgs	---	---	---
	Dimension	Tower	160 x 220 x 400 mm	200 x 352 x 450 mm		260 x 717 x 570mm				
	W*H*D	Rack	440 x 88 x 465mm (Rack)			482.6 x 132 x 600mm (Rack)		NA		
	Color		White or Black							

- Tower Series: AHA-H., Rack Series: AHA-HR
- Rack Battery Bank(2U) is available for 8pcs(1 set)12V/7Ah and 9 pcs(3 sets)12V/7Ah batteries..
- Specifications are subject to change without notice.