

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×8pcs			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)	13.5kgs (Tower)	14.5kgs (Tower)	35 kgs	38kgs	38.5kgs	55kgs	55kgs
		8.0 kgs (Rack)	9.5 kgs ((Rack)	10.5kgs (Rack)					
	Weight (w/ Battery)	15 kgs (Tower)	34 kgs (Tower)	35 kgs (Tower)	90 kgs	93kgs	---	---	---
		15.5 kgs (Rack)	N/A (Rack)	N/A (Rack)					
	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.