

Technical Specification
POWER SMART AHA Online Series

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
Capacity	1KVA/700W	2KVA/1400W	3KVA/2100W	6KVA/4200W	10KVA/7000W		15kVA/10500W	20kVA/14000W
InPut	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	
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)				
Output Frequency	Synchronized (Line mode) ; 50Hz or 60Hz +/-0.5% (Battery mode)							
Wave-form	True Sine wave							
Tower Distortion	≤3% (linear load) ≤ 6% non-linear load)		≤4% (linear load) ≤7% non-linear load)		≤4% (linear load) ≤7% (non-linear load)			
Rack Distortion	≤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							
DC Voltage	36V		96V		240V			
Battery 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	
Automatic Bypass	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 (Series)	Normal (Green), Bypass(Yellow), Battery Low (Yellow), Inverter (Green), Load% (5 LEDs), Battery % (5 LEDs), Fault (Red)						
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 Novel							
Multi-Interface Slot	SNMP card, AS 400, Dry Contact, USB Selectable							
Network					N/A			
Surge Protection	RJ45 I/O port for Network or RJ 11 for Fax / Modem							
Parallel	N/A				Available (Option!)			
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)	
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 W*H*D								
Tower	160 x 220 x 400 mm		200 x 352 x 450 mm		260 x 717 x 570mm			
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