

# Ampl<sup>o</sup>n GAIA Series

## Single Phase 1-3 kVA

### Uninterruptible Power Supply

The Amplon GAIA series is a true on-line, double-conversion UPS designed in a rack or tower configuration and recommended for servers, VoIP, telecommunications and networking. This versatile UPS combines features such as full-time protection and high input power factor in the small footprint of a 2U cabinet.

The Amplon GAIA series UPS has inbuilt batteries to provide continuous and stable power to your critical loads when power events occur. With an external battery pack, it can fulfill longer backup time requirements.



Series Comparison (1-3 kVA)

GAIA series	1-3 kVA	Rack or Tower	Battery inside to prevent blackout.
E series	1-3 kVA	Tower	Long backup up to 24 hrs.
N series	1-3 kVA	Tower	Battery inside to prevent blackout.
R series	1-3 kVA	Rack or Tower	Long backup up to 24 hrs.

#### Availability

- Double-conversion technology. Provides 24/7 full-time protection.
- Built-in batteries for basic runtime demands.
- Battery-start capability without utility power.
- RS232 and USB connectivity with power management software.
- Built-in data line surge protector for phone/fax/network.

#### Flexibility

- Rack or tower configuration in 2U size cabinets.
- Optional external battery pack for longer backup time.
- Smart slot for mission critical applications.
- Programmable output saves energy for important loads.

#### Low Total Cost Of Ownership

- Wide input voltage range and stable power supply extends battery lifetime.
- High input power factor (pf > 0.97). Savings in installation costs.
- Intelligent management prevents battery from over-discharge.



Server



Network



Storage



VoIP



Telecom



Industrial



Medical



Rack/Tower Configuration



# AmplOn GAIA Series

## Single Phase 1-3 kVA

### Technical Specifications

		GA1000R	GA2000R	GA3000R	
Power Rating		1kVA/800W	2kVA/1600W	3kVA/2100W	
Input	Nominal Voltage	200/208/220/230/240 Vac (single phase) *			
	Voltage Range	160 ~ 275 Vac (full load) 130 ~ 160 Vac (linearly de-rating between 70 ~ 100% loading)			
	Frequency	50 or 60 ± 0.5 Hz			
	Power Factor	≥ 0.97			
	Electrical Connection	Power cord (IEC320 C14)	Power cord (IEC320 C20)		
Output	Voltage	200/208/220/230(default)/240 Vac (single phase)			
	Voltage Harmonic Distortion	≤ 3% (linear load); ≤ 6% (computer load)			
	Voltage Regulation	± 2%			
	Frequency	50 or 60 ± 0.05 Hz			
	Wave Form	Pure sine wave			
	Transient Response	< 8%			
	Overload Capability	105 ~ 125%: 3 minutes 125 ~ 150%: 30 seconds; > 150%: 0.5 second			
Receptacle		IEC320 C13 x 3 x 2	IEC320 C13 x 3 x 2 IEC320 C19 x 1		
Battery & Charger	Rating	12V/8.5Ah, 2 pcs	12V/8.5Ah, 4 pcs	12V/8.5Ah, 6 pcs	
	Charge Current	0.6 ~ 1.2A (default 0.8A)		0.74 ~ 1.38A (default 1A)	
	Typical Backup Time	12 minutes (half load) 4 minutes (full load)	13 minutes (half load) 4 minutes (full load)	15 minutes (half load) 5 minutes (full load)	
Display	LED	Online, Bypass, On-battery, Overload, Battery low, Fault, Replace battery, Battery level, Loading level			
Interface	Standard	RS232 x 1, USB x 1, SNMP slot x 1			
	Management Peripherals	SNMP card, Modbus card, Relay I/O control card, EnviroProbe, SNMP + 5 ports hub			
Conformance	Safety	CE, EN62040-1-1			
	EMC	EN62040-2, Class B	EN62040-2, Class A		
Others	Battery-Start	Yes			
	Data Line Protector	Built-in (RJ11/RJ45, phone and network)			
	REPO	RJ11 connector			
	Rail Kit	Optional			
	Tower Stand Kit	Included in package			
Overall	External Battery Pack	Optional			
	Efficiency (AC-AC)	> 87% (full load)			
	Temperature	0 ~ 40°C			
	Relative Humidity	5 ~ 95% (non-condensing)			
	Audible Noise (at one meter)	UPS	45 dBA	50 dBA	60 dBA
		Battery Pack	440 x 335 x 89 mm	440 x 432 x 89 mm	440 x 610 x 89 mm
	Weight	UPS	13 kg	21 kg	31 kg
Battery Pack		16 kg	29 kg	43 kg	

\* For 200 Vac rating, UPS capacity will de-rate 10%.  
All specifications are subject to change without prior notice.



Friendly LED Display



1 kVA Rear View



2-3 kVA Rear View



Power Management Software



2007-2008  
Forbes Asia's  
Fabulous 50



2009 Frost & Sullivan  
Green Excellence  
Award for Corporate  
Leadership



Delta's Manufacturing System  
is Certified by ISO 9001 and  
ISO 14001 Standards



IECQ Certificate of  
Hazardous Substance  
Process Management



Delta offers full-scale UPS solutions from  
0.6 kVA to 4000 kVA to fulfill all your power security needs.

