

AmplOn GAIA Series

Single Phase 5-11 kVA

Uninterruptible Power Supply

The Amplon GAIA series delivers double-conversion on-line technology, high power density, high input power factor, and low current harmonics with its advanced architecture. Designed in a rack or tower configuration with an LCD display, this UPS offers unmatched performance for servers, data centers, networking, VoIP and telecommunications.

You can install the Amplon GAIA series 5-11 kVA in 1+1 parallel redundancy to provide even higher reliability. With an external battery source, it delivers the desired runtime for your mission critical applications.



Availability

- Double-conversion technology. Provides 24/7 full-time protection.
- 1+1 parallel redundancy without requiring extra hardware.
- Input voltage bears up to 330 Vac. Suitable for severe utility conditions.
- Automatic input frequency (50 or 60 Hz) detection.
- AC-start and battery-start capabilities.

Flexibility

- Rack or tower configuration.
- Additional charger installs inside the UPS to reduce recharging time.
- Multi-language LCD display.
- Optional maintenance bypass box for parallel redundancy with manual bypass switch.
- Optional external battery pack for longer backup time.

Low Total Cost Of Ownership

- High input power factor ($pf > 0.99$) and low harmonic distortion ($iTHD < 5\%$).
- Shared battery allows cost savings.
- Wide input voltage range and stable power



Server



Network



Storage



VoIP



Telecom



Industrial



Medical



Rack/Tower Configuration

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Technical Specifications

Model		GA5000RL	GA7000RL	GA11000RL	
Power Rating		5kVA/3.5kW	7kVA/4.9kW	11kVA/8kW	
Input	Nominal Voltage	200/208/220/230/240 Vac (single phase)			
	Voltage Range	100 ~ 300 Vac (full load) *			
	Current Harmonic Distortion	< 5% (full load)			
	Power Factor	> 0.99			
	Voltage Transient Protection	330 ± 10 Vac	Optional **		
	Frequency	50 or 60 Hz (range: 40 ~ 70)			
	Electrical Connection	Terminal block			
Output	Voltage	200/208/220/230(default) /240 Vac (single phase)			
	Voltage Harmonic Distortion	≤ 2% (linear load)			
	Voltage Regulation	± 1% (static); ± 2% (typical)			
	Frequency	50 or 60 Hz ± 0.05			
	Overload Capability	105 ~ 110%: 10 minutes; 111 ~ 125%: 5 minutes; 126 ~ 150%: 30 seconds			
	Electrical Connection	Terminal block			
Battery & Charger	Nominal Voltage	192 Vdc	240 Vdc		
	Charge Current	Built-in: max. 4A (adjustable) ; Extra charger (optional): max. 4A (internal installation)			
	Electrical Connection	Delta standard cable			
Display	LED	AC input/output, Bypass, Inverter, Fault, Overload, Battery replacement, Battery backup			
	LCD (Multi-Language)	Input/Output, Bypass, Inverter, Frequency, Loading and battery level, Abnormal message and intelligent self diagnosis			
Interface	Standard	RS232 x 1, SNMP slot x 1, Smart slot x 1, Parallel port x 1			
	Management Peripherals	SNMP Slot	SNMP card, Modbus card, Relay I/O control card, EnviroProbe, SNMP hub		
	Smart Slot	Mini SNMP card, Mini ModBus card, Mini relay I/O control card, USB card, TVSS card			
Conformance	Safety	CE, TUV, EN62040-1-1			
	EMC	CISPR 22 Class A			
Others	Parallel Redundancy	1+1 redundancy			
	REPO	RJ11 connector			
	Common Battery Installation	Feasible			
	Optional Accessories	Rail kit; Maintenance bypass box; External battery pack			
Overall	Efficiency	Online Mode	92% (full load)		
		ECO Mode	96% (full load)		
	Temperature	0 ~ 45°C			
	Relative Humidity	5 ~ 95% (non-condensing)			
	Audible Noise (at one meter)	UPS	55 dBA	60 dBA	
		Battery Pack	40 kg		
	Dimensions (WxDxH)	UPS	440 x 670 x 89 mm	440 x 628 x 131 mm	
		Battery Pack	440 x 610 x 89 mm	440 x 595 x 131 mm	
Weight	UPS	14.5 kg	15 kg	20.5 kg	
	Battery Pack	40 kg			



Friendly LCD Display



5-7 kVA + Battery Pack



11 kVA + Battery Pack



Power Management Software

* Lower range 100 ~ 156 Vac is acceptable under 50 ~ 100% loading conditions.

** External over-voltage cut-off device.

All specifications are subject to change without prior notice.



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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.

