GAIA series

Single phase 5-11 kVA

Uninterruptible Power Supply

The GAIA series delivers high power density, high input power factor, and low current harmonics with its advanced architecture. Designed in a rack or tower configuration, this UPS offers unmatched performance for servers, data centers, networking, VOIP and telecommunications.

You can install the GAIA series 5-11 kVA in 1+1 parallel redundancy to provide even higher reliability. With an extended 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 330Vac. Suitable for severe utility conditions.
- Automatic input frequency (50 or 60Hz) 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 extended battery cabinet for longer backup time.

Lowest 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 supply extends battery lifetime.

Server Network Security

Banking Medical Industry

Rack/Tower Configuration

GAIA series

Single phase 5-11 kVA

Technical Specifications

Model				GA5000RL	GA7000RL	GA11000RL
Power Rating				5kVA / 3.5kW	7kVA / 4.9kW	11kVA / 8kW
Input	Rating Voltage		V	200/208/220/230/240, single phase		
	Voltage Range		V	100 ~ 300 (full load) *		
	Input Current Harmonic Distortion (iTHD)		%	< 5 (full load)		
	Power Factor			> 0.99		
	Voltage Transient Protection		V	330 ± 10		Optional **
	Frequency		Hz	50 or 60 (range : 40 ~ 70)		
	Electrical Connection			Terminal block		
Output	Voltage		V	200/208/220/230(default)/240, single phase		
	Voltage Harmonic		%	≤ 2 (linear load)		
	Voltage Regulation		%	± 1 (static) ; ± 2 (typical)		
	Frequency		Hz	50 or 60 ± 0.05		
	Overload			≤ 105% : Continuous ; 105~110% : 10 minutes ; 111~125% : 5 minutes ; 126~150% : 30 seconds ; >150% : Immediately		
	Electrical Connection			Terminal block		
Battery	Rating Voltage		V	192		240
	Recharging Capability			Built-in : max. 4 Amp (adjustable) ; Optional extra charger : max. 4 Amp (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		
	Optional Accessories	SNMP Slot		SNMP card, Modbus card, Relay I/O control card, EnviroProbe, SNMP hub		
		Smart Slot		Mini SNMP 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 ; Extended battery cabinet		
Overall	Efficiency	Normal (AC-AC)	%	92 (full load)		
		Economic	%	96 (full load)		
	Temperature		℃	0 ~ 45		
	Relative Humidity		%	5 ~ 95 (non-condensing)		
	Noise (at one meter)		dBA	55		60
	Dimensions (WxDxH)	UPS	mm	440 x 670 x 89		440 x 628 x 131
		Battery Cabinet		440 x 610 x 89		440 x 595 x 131
	Weight	UPS	kg	14.5	15	20.5
		Battery Cabinet		40		66

* Lower range 100~156Vac is acceptable under 50~100% loading conditions.
** External over-voltage cut-off device.
All specifications are subject to change without prior notice.

Friendly LCD Display

5 and 7kVA + Battery Cabinet

11kVA + Battery Cabinet

Power Management Software

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

090814