

# GAIA series

Single phase 1-3KVA

## Uninterruptible Power Supply

The 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.

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



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

### 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 extended battery cabinet for longer backup time.
- Smart slot for mission critical applications.
- Programmable output saves energy for important loads.

### Lowest 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



Security



Medical



POS



Banking



Rack/Tower Configuration



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Single phase 1-3KVA

## Technical Specifications

| Model           |                          | GA1000R                                                                                                 | GA2000R                                         | GA3000R                                         |            |
|-----------------|--------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|------------|
| Power Rating    |                          | 1kVA / 800W                                                                                             | 2kVA / 1600W                                    | 3kVA / 2100W                                    |            |
| Input           | Rating Voltage           | V 200/208/220/230/240, single phase *                                                                   |                                                 |                                                 |            |
|                 | Voltage Range            | V 160 ~ 275 (full load)<br>130 ~ 160 (linearly de-rating between 70% ~ 100% loading)                    |                                                 |                                                 |            |
|                 | Frequency                | Hz 50 or 60 ± 5                                                                                         |                                                 |                                                 |            |
|                 | Power Factor             | ≥ 0.97                                                                                                  |                                                 |                                                 |            |
|                 | Electrical Connection    | Power cord (IEC320 C14)                                                                                 | Power cord (IEC320 C20)                         |                                                 |            |
| Output          | Voltage                  | V 200/208/220/230(default)/240, single phase                                                            |                                                 |                                                 |            |
|                 | Voltage Harmonic         | % ≤ 3 (linear load) ; ≤ 6 (computer load)                                                               |                                                 |                                                 |            |
|                 | Voltage Regulation       | % ± 2                                                                                                   |                                                 |                                                 |            |
|                 | Frequency                | Hz 50 or 60 ± 0.05                                                                                      |                                                 |                                                 |            |
|                 | Wave Form                | Pure sine wave                                                                                          |                                                 |                                                 |            |
|                 | Transient Response       | % < 8%                                                                                                  |                                                 |                                                 |            |
|                 | Overload                 | <105% : Continuous ; 105~125% : 3 minutes<br>125~150% : 30 seconds ; >150% : 0.5 second                 |                                                 |                                                 |            |
|                 | Receptacle               | IEC320 C13 x 3 x 2                                                                                      | IEC320 C13 x 3 x 2<br>IEC320 C19 x 1            |                                                 |            |
| Battery         | Rating                   | V 12V/8.5Ah, 2pcs                                                                                       | 12V/8.5Ah, 4pcs                                 | 12V/8.5Ah, 6pcs                                 |            |
|                 | Charging Capability      | A 0.6 ~ 1.2 (default 0.8A)                                                                              |                                                 | 0.74 ~ 1.38 (default 1A)                        |            |
|                 | Typical Backup Time      | 12 minutes (half load)<br>4 minutes (full load)                                                         | 13 minutes (half load)<br>4 minutes (full load) | 15 minutes (half load)<br>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                                                                       |                                                 |                                                 |            |
|                 | Optional Accessories     | SNMP card, Modbus card, Relay I/O control card, EnviroProbe, SNMP+5ports 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                                                                                     |                                                 |                                                 |            |
|                 | Extended Battery Cabinet | Optional                                                                                                |                                                 |                                                 |            |
| Overall         | Efficiency (AC-AC)       | % > 87 (full load)                                                                                      |                                                 |                                                 |            |
|                 | Temperature              | °C 0 ~ 40                                                                                               |                                                 |                                                 |            |
|                 | Relative Humidity        | % 5 ~ 95 (non-condensing)                                                                               |                                                 |                                                 |            |
|                 | Noise (at one meter)     | dBA 45                                                                                                  | 50                                              | 60                                              |            |
|                 | Dimensions (WxDxH)       | UPS                                                                                                     | mm 440x335x89                                   | 440x432x89                                      | 440x610x89 |
|                 |                          | Battery Cabinet                                                                                         |                                                 |                                                 |            |
|                 | Weight                   | UPS                                                                                                     | kg 13                                           | 21                                              | 31         |
| Battery Cabinet |                          | 16                                                                                                      | 29                                              | 43                                              |            |

\* For 200Vac rating, UPS capacity will de-rate 10%.

All specifications are subject to change without prior notice.



Friendly LED Display



1kVA Rear View



2 and 3kVA Rear View



Power Management Software



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

