

The power behind competitiveness

Delta UPS-Amplon Family

R Series, Single Phase

1/2/3 kVA

Reliable power supply for small and medium enterprises

Delta's Amplon R series is an online double-conversion rack-mountable UPS providing consistent sine-wave power to your critical equipment and reliable protection for IT equipment and data centers. The R series offers an output power factor of 0.9 and a best-in-class AC-AC efficiency of up to 93% for greater energy savings. The Amplon R series leads the industry in combining compact size, availability, flexibility, and low total cost of ownership.

Availability

- True online double-conversion topology provides zero transfer time to ensure maximum protection of the equipment
- Watch-dog design of the DSP (Digital Signal Processor) increases reliability
- Cold-start capability provides temporary battery power when the utility power is out
- Operating temperature tolerance up to 50°C ensures critical loads' continuity
- The Maintenance Bypass Box offers load continuity during battery replacement or other upgrades

Flexibility

- Compact dimensions meet the needs of different rack cabinets
- Convertible rack and tower configuration in 2U size cabinet
- Excellent local communications through rotatable LCD display
- Intelligent management software connectivity via RS232, mini slot or USB port

Low Total Cost of Ownership

- Wide input voltage range reduces the chance of using the battery and extends battery life
- Intelligent battery management sustains battery life and performance
- High output power factor of 0.9 provides more real power to critical loads
- High input power factor (pf > 0.99) and low harmonic distortion (iTHD < 3%) save upstream investment
- Up to 93% AC-AC efficiency and 96% efficiency in ECO mode results in marked energy cost savings
- Fan speed control by load level and room temperature optimizes performance



Server



Telecom



Industrial



VoIP



Storage



Network

 **DELTA**
Smarter. Greener. Together.

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1/2/3 kVA

| Technical Specification | | | | |
|--------------------------|-----------------------------|--|----------------------------|----------------------------|
| Model | | R-1K | R-2K | R-3K |
| Power Rating | | 1kVA/0.9kW | 2kVA/1.8kW | 3kVA/2.7kW |
| Input | Nominal Voltage | 200*/208*/220/230/240 Vac | | |
| | Voltage Range | 175 ~ 280 Vac (full load) ; 80 ~ 175 Vac (50% ~ 100% load) | | |
| | Frequency | 50/60 Hz ± 10 Hz | | |
| | Power Factor | > 0.99 (full load) | | |
| | Current Harmonic Distortion | < 3% | | |
| Output | Power Factor | 0.9 | | |
| | Voltage | 200*/208*/220/230/240 Vac | | |
| | Voltage Regulation | ± 1% (linear load) | | |
| | Frequency | 50/60 Hz ± 0.05 Hz | | |
| | Voltage Harmonic Distortion | < 3% (linear load) | | |
| | Overload Capability | < 105%: Continuous; 105 ~ 125%: 1 minute; 125 ~ 150%: 30 seconds | | |
| | Receptacle | IEC C13 x 4 | IEC C13 x 2 IEC C19 x 1 | IEC C13 x 2 IEC C19 x 1 |
| Efficiency | AC-AC | 91% | Up to 93% | |
| | ECO Mode | 95% | Up to 96% | |
| Battery | Battery Voltage | 24 Vdc | 48 Vdc | 72 Vdc |
| | Charge Current | 4A (up to 8A with optional inbuilt charger) | | |
| Audible Noise** | | < 40 dB | < 43 dB | < 43 dB |
| Display | | LCD display and LED indicators | | |
| Communication Interfaces | Standard | Mini Slot x 1, RS-232 Port x 1, USB Port x 1 | | |
| Conformance | Safety | CE, BIS | | |
| Physical | Dimensions (Wx Dx H) | 440 x 335 x 88 mm | 440 x 430 x 88 mm | 440 x 430 x 88 mm |
| | Weight | 5.3 kg | 9.0 kg | 9.1 kg |
| Environment | Operating Temperature | 0 ~ 50°C*** | | |
| | Relative Humidity | 5 ~ 95% (non-condensing) | | |

* When the UPS is de-rated to 90% of its capacity.

** If the UPS is running at <75% load and in room temperature.

*** When the operating temperature is at 40~50°C, the UPS will be de-rated to 80% of its capacity.

All specifications are subject to change without prior notice.



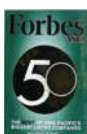
User-friendly LCD Panel



Facility Monitoring Software
InfraSuite Device Master



Delta offers a full range of UPS solutions from 600 VA to 4000 kVA to fulfill your power security needs.



2007~ 2008 Forbes Asia's Fabulous 50



2009 Frost & Sullivan Green Excellence Award for Corporate Leadership



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



IECQ Certificate of Hazardous Substance Process Management

