

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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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

