

Delta UPS - Amplon Family

RT Series, Single Phase, 120V
1/1.5/2/3 kVA

Reliable power with greater energy-saving features

The Amplon RT 1-3kVA series is an online double-conversion UPS providing consistent sine-wave power to your critical equipment. It supports personal computers, networks, servers, VoIP and telecommunications. The Amplon RT 1-3kVA series features an output power factor of 0.9 and best-in-class AC-AC efficiency up to 93% resulting in greater energy savings. Optional external battery pack can be connected for longer backup time to keep your applications safe and running smoothly at all times.

Availability & Flexibility

- True online double-conversion topology and zero transfer time to battery provides 24/7 full-time protection
- AC-start function allows the UPS to be switched on without connecting to a battery
- Automatic fan speed control significantly reduces audible noise, and maximizes system efficiency
- Fan failure detection sends early warnings to facilitate predictive maintenance of UPS
- Hot swappable batteries ensure continuous operation even when batteries are being replaced
- External Battery Cabinet (EBC) are optional for scalable runtime
- Programmable load bank disconnects non-critical loads when a blackout occurs and reserves more battery power for critical loads
- The Maintenance Bypass Breaker (MBB) is optional for easy UPS replacement without powering down critical systems
- Compact 2U design with convertible rack and tower configuration for flexible deployment



Manageability

- Intelligent battery management to extend battery life and maximize battery performance. The battery aging detection monitors battery status for predictive maintenance, and the 3-stage charging mechanism keeps the battery from continuous float charging during the intermission stage to prolong battery life
- Excellent local management through a user-friendly graphical and multi-lingual LCD display
- Various types of communication interfaces, such as REPO/ROO for remote management, and in-built dry contacts for monitoring and notification of system operation conditions

Low Total Cost of Ownership

- Output power factor up to 0.9 to provide more real power to critical loads
- High AC-AC efficiency of up to 93% and 98.5% in ECO mode lowers energy costs
- Wide input voltage range and protection against over voltage prolongs battery life
- Automatic fan speed control maximizes system efficiency, significantly reduces audible noise, and prolongs battery life



Server



Telecom



Industrial



Network



VoIP



Storage



Medical

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Technical Specification

Model		RT-1K	RT-1.5K	RT-2K	RT-3K
Power Rating		1kVA/0.9kW	1.5kVA/1.35kW	2kVA/1.8kW	3kVA/2.7kW
Input	Voltage range	110/115/120 Vac: 100 ~ 150 Vac (full load); 55 ~ 100 Vac (50 ~ 100% load) 100 Vac: 90 ~ 150 Vac (full load); 55 ~ 90 Vac (50 ~ 100% load)			
	Frequency	40 ~ 70 Hz			
	Power Factor	> 0.99 (full load)			
	Current Harmonic Distortion	< 5%			
	Input Connection	NEMA 5-15P, power cord length 10ft	NEMA 5-15P, power cord length 10ft	NEMA L5-20P, power cord length 10ft	NEMA L5-30P, power cord length 10ft
Output	Power Factor	0.9			
	Voltage*	100/110/115/120 Vac			
	Voltage Regulation	± 1%			
	Frequency	50/60 Hz ± 0.05 Hz			
	Voltage Harmonic Distortion	< 2% (linear load); ≤ 4% (non-linear load)			
	Overload Capability	<105%: Continuous; 105 ~125%: 2 min.; 125 ~ 150%: 30 sec.; > 150%: 500 ms			
	Receptacle	NEMA 5-15R x 8		NEMA 5-15/20R x 8, L5-20R x 1	NEMA 5-15/20R x 8, L5-30R x 1
Efficiency***	AC-AC	Up to 91.5%	Up to 92.5%	Up to 93%	Up to 93%
	ECO Mode	Up to 98%	Up to 98.5%	Up to 98.5%	Up to 98.5%
Battery	Battery Voltage	24 Vdc	36 Vdc	48 Vdc	72 Vdc
	Typical Backup Time	4 min. (full load); 6.5 min. (75% load)			
Audible Noise		40dB	40dB	45 dB	45 dB
Display		Graphical and multi-lingual LCD			
Communication Interfaces		Mini Slot x 1, RS-232 Port x 1, USB Port x 1, REPO/ROO, Dry Contact x 4			
Dimensions (W x D x H)		17.3 x 13.2 x 3.5 inch (440 x 335 x 88 mm)	17.3 x 16.9 x 3.5 inch (440 x 430 x 88 mm)	17.3 x 16.9 x 3.5 inch (440 x 430 x 88 mm)	17.3 x 22.2 x 3.5 inch (440 x 565 x 88 mm)
Weight		27.3 lbs (12.4 kg)	39.0lbs (17.7 kg)	45.8 lbs (20.8 kg)	66.1 lbs (30 kg)
Environment	Operating Temperature	32 ~ 122 °F (0-50 °C)****			
	Relative Humidity	5 ~ 95% (non-condensing)			

* On 100/110/115 Vac, to comply with UL, UPS capacity will be de-rated due to power cord's current limitation

** Power loss from the input and output power cords is not included

*** When the operating temperature is at 40 ~ 50° C (104 ~ 122° F), the UPS will be de-rated to 80% of its capacity

All specifications are subject to change without prior notice.



2007~ 2008 Forbes Asia's
Fabulous 50



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



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[UPS102R1RT0B0B8](#) [UPS152R1RT0B0B8](#) [UPS202R1RT0B0B8](#) [UPS302R1RT0B0B8](#)