The power behind competitiveness

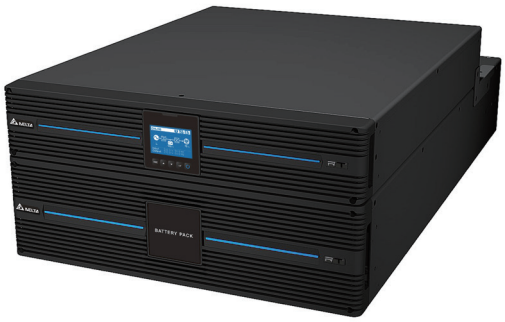
Delta UPS–Amplon Family

RT Series, Single Phase, 208V
5/6/8/10 kVA

A total solution of reliable power with high availability and performance

The Amplon RT Series 5-10kVA is an online double-conversion UPS that provides an output power factor of up to unity to enable the maximum capacity for more critical loads. Outstanding energy savings can be achieved based on an AC-AC efficiency of up to 95.5% and 98.5% in ECO mode. The Amplon RT Series 5-10kVA offers a total solution with the Standard Runtime models including an in-built battery, power distribution box and maintenance bypass breaker. It provides a complete and practical package that can be used on the critical loads right away. This series offers advanced performance for various applications such as servers, data centers, network, VoIP and telecommunication. The parallel capacity of up to four units enables higher reliability for mission critical applications.

Availability



- True online double-conversion topology and zero transfer time to battery to provide 24/7 full-time protection
- The unity power factor provides more available power and higher capacity.
- The component life prediction, e.g. fan failure prediction, can monitor the operating conditions before failure and downtime occurs.
- Parallel capacity up to four units is applicable to the Extended Runtime models to allow redundancy and possible load expansion in the future
- VRLA and Li-ion External Battery Cabinet (EBC) are optional to extend availability
- AC-start function allows the UPS to be switched on without connecting to a battery and increases availability
- Programmable load bank disconnects non-critical loads when a blackout occurs and reserves more battery power for critical loads
- The li-ion battery compatibility and flexible battery quantity enable better usability and convenience. The battery aging detection function allows battery life time simulation to avoid insufficient backup.

Manageability

- Event logs are recorded with actual time (RTC) for better management and control
- Excellent local communications through a user-friendly graphical and multi-lingual display
- Various types of communication interface such as dry contacts and REPO/ROO for monitoring and manageability

Low Total Cost of Ownership

- Output power factor up to unity for more real loads
- The Power Distribution Box (PDB) and Manual Bypass Breaker (MBB) which are default to Standard Runtime models enable simple configuration.
- The Maintenance Bypass Breaker (MBB) is available for easy replacement of the UPS without powering down critical systems.
- The high AC-AC efficiency of up to 95.5% and 98.5% in ECO mode lowers energy costs
- Wide input voltage range and protection against over voltage reduces the chance of using the battery and extends battery life
- Automatic speed regulation function with multi-stage fan speed control maximizes system efficiency, significantly reducing audible noise, and prolonging the service life of the fans

Server Network Banking POS Security

Smarter. Greener. Together.

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Technical Specifications

Model		RT-5K	RT-6K	RT-8K	RT-10K
Power Rating	220/230/240V	5kVA/5kW	6kVA/6kW	8kVA/8kW	10kVA/10kW
	200[1]/208V	5kVA/4.5kW	6kVA/6kW	8kVA/8kW	10kVA/10kW
Input	Voltage Range	100 ~ 280V, 100 ~ 175V with linear de-rating 50 ~ 100%			
	Frequency	40 ~ 70 Hz			
	Power Factor	> 0.99 (full load)			
	iTHD	<3%			
Input Connection	Standard Runtime Model	NEMA L6-30P	Terminal		
	Extended Runtime Model	Terminal			
Output	Power Factor	Unity[2]			
	Voltage	200[1]/208/220/230/240 Vac			
	Frequency	50/60 Hz			
	Voltage Harmonic Distortion	≤ 2% (linear load)			
	Overload Capability	≤ 105%: Continuous; 105 ~ 125%, 5mins; 125 ~ 150%, 1min; 150%: 500ms			
Receptacle	Standard Runtime Model	L6-20 x 2, L6-30 x 2, Load bank:L6-30 x 1	L6-20 x 2, L6-30 x 1, Terminal x 1, Load bank: L6-30 x 1	L6-20 x 2, L6-30 x 2, Terminal x 1, Load bank:L6-30 x 1	
	Extended Runtime Model	Terminal x 1, Load bank:Terminal x 1			
Efficiency	AC-AC	Up to 95.5%			
	ECO Mode	Up to 98.5%			
Battery Voltage	Standard Runtime Model	192 Vdc	192 Vdc	240 Vdc	240 Vdc
	Extended Runtime Model	144 Vdc[3], 192 ~ 240 Vdc			
Charger Current	Standard Runtime Model	1A (default), up to 8A		1.5A (default), up to 8A	
	Extended Runtime Model	Up to 8A		Up to 8A	
Discharge Time (Standard Runtime Model)	Full load	5.5 min.	3.5 min.	5 min.	2.5 min.
	75% load	8 min.	5 min.	6.5 min.	5.5 min.
Recharge Time	Standard Runtime Model	3 hrs to 90%			
Audible Noise		48 dB		50 dB	
Display		Graphical and multi-lingual LCD			
Communication Interfaces		Mini Slot x 1, RS-232 Port x 1, RS-485 Port x 1, USB Port x 1, REPO/ ROO, Dry Contact			
Dimensions (W x D x H)	Standard Runtime Model	17.3 x 26.2 x 6.9 inch (440 x 665 x 176 mm)		17.3 x 29.5 x 8.6 inch (440 x 750 x 218 mm)	
	Extended Runtime Model	17.3 x 16.9 x 3.3 inch (440 x 430 x 88 mm)		17.3 x 22.2 x 3.3 inch (440 x 565 x 88 mm)	
	VRLA Battery Pack	17.3 x 22.2 x 3.5 inch (440 x 565 x 88 mm)		17.3 x 25.6 x 5.1 inch (440 x 650 x 130 mm)	
	Li-lion Battery Pack	17.3 x 25.4 x 3.5 inch (440 x 646 x 88 mm)			
Weight	Standard Model	120 lbs (54.5 kg)	118 lbs (53.5 kg)	191 lbs (87 kg)	191 lbs (87 kg)
Environment	Operating Temperature	32 ~ 122° F (0 ~ 50° C)[4]			
	Relative Humidity	5 ~ 95% (non-condensing)			

All specifications are subject to change without prior notice.
1) Under 200V, de-rating to 90% load
2) Under 200/208V, 5kVA standard runtime model O/P PF = 0.9
3) De-rating to 80% load
4) Full load @ 32 ~ 104°F (0 ~ 40°C), de-rating to 80% @ 104 ~ 122°F (40 ~ 50°C)

User-friendly LCD Panel

Tower Configuration

Rear 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

www.deltapowersolutions.com

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