

Delta UPS—Amplon Family

RT Series, Single Phase

5/6/10 kVA

Reliable power with intelligent energy-saving features

The Amplon RT series delivers double-conversion on-line technology, high power density and input power factor, and low current harmonics with its advanced architecture. Designed in a rack or tower configuration with an LCD display, Amplon RT offers advanced performance for servers, data centers, networking, VoIP and telecommunications.

The Amplon RT has 1+1 parallel redundancy function to provide higher reliability. Optional external battery pack can be added to fulfill longer backup time for mission critical applications.



Availability

- True online double-conversion topology provides 24/7 full-time protection.
- 1+1 parallel redundancy or expansion without requiring additional hardware.
- AC-start and battery-start capabilities.
- Additional charger board can be added to reduce recharging time.
- Optional maintenance bypass box for parallel redundancy with manual bypass switch.
- External charger box enhances battery charging ability.

Flexibility

- Rack or tower configuration.
- Multi-language LCD display with blue backlight.
- Optional external battery pack for longer backup time.

Low Total Cost Of Ownership

- Output factor 0.9 delivers more real power.
- High input power factor (pf > 0.99) and low harmonic distortion (iTHD < 5%).
- Common battery installation enables two UPS in parallel to share one battery source for cost savings.
- Wide input voltage range reduces battery discharging occurrence and prolongs battery lifetime.



Server



Telecom



Industrial



Network



VoIP



Storage



Medical



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5/6/10 kVA

Technical Specifications					
Model			RT-5K	RT-6K	RT-10K
Power Rating			5kVA/4.5kW	6kVA/5.4kW	10kVA/9kW
Input	Nominal Voltage		200/208/220/230/240 Vac (single phase)		
	Voltage Range		100 ~ 300 Vac*		
	Current Harmonic Distortion		< 5% (full load)		
	Power Factor		> 0.99 (full load)		
	Frequency		40 ~ 70 Hz		
	Electrical Connection		Terminal block		
Output	Voltage		200/208/220/230(default)/240 Vac (single phase)		
	Voltage Harmonic Distortion		< 2% (linear load), <3% (non-linear load)		
	Voltage Regulation		± 1% (static); ± 2% (typical)		
	Frequency		50 or 60 ± 0.05 Hz		
	Overload Capability		106 ~ 110%: 10 minutes; 111 ~ 125%: 5 minutes; 126 ~ 150%: 30 seconds		
	Electrical Connection		Terminal block		
	Crest Factor		3:1		
Battery & Charger	Nominal Voltage		192 Vdc	192 Vdc	240 Vdc
	Charge Current		Built-in: maximum 4A (adjustable); Additional charger board (optional): maximum 4A (internal installation)		
	Electrical Connection		Exclusive cable		
Interface	Standard		RS232 x 1, SNMP slot x 1, Smart slot x 1, Parallel port x 1		
Conformance	Safety & EMC		CE, TUV, EN62040-1; CISPR 22 Class A		
Others Features	Parallel Redundancy		1+1		
	Remote Control		REPO; Remote On/Off		
	Common Battery Installation		Yes		
Efficiency	AC-AC		92% (full load)		
	ECO Mode		96% (full load)		
Environment	Operating Temperature		0 ~ 40°C		
	Relative Humidity		0 ~ 95% (non-condensing)		
	Audible Noise		54 dBA**		
Physical	Dimensions	UPS	440 x 671 x 89 mm	440 x 671 x 89 mm	440 x 623 x 131 mm
		Battery Pack	440 x 638 x 89 mm	440 x 638 x 89 mm	440 x 595 x 131 mm
	Weight	UPS	15 kg	15.5 kg	21.3 kg
		Battery Pack	36 kg	36 kg	66 kg

* For 5 and 6 kVA models, lower range 100 ~ 155 Vac is acceptable under 50 ~ 100% loading condition.

For 10 kVA model, lower range 100 ~ 180 Vac is acceptable under 50 ~ 100% loading condition.

** Audible Noise is at 70% load.

All specifications are subject to change without prior notice.



5/6 kVA + Battery Pack



10 kVA + Battery Pack



Charger Box



Maintenance Bypass Box



Delta offers full range 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 is Certified by ISO 9001 and ISO 14001 Standards



IECQ Certificate of Hazardous Substance Process Management

