

The power behind competitiveness

# 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)			
	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

