

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.