

AmplOn RT Series

Single Phase 5-10 kVA

Uninterruptible Power Supply

Amplon RT 5-10kVA series deliver 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, RT offers advanced performance for servers, data centers, networking, VoIP and telecommunications.

Amplon RT has 1+1 parallel redundancy function to provide high 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 extra hardware.
- AC-start and battery-start capabilities.
- Extra charger board can be added to reduce recharging time. (Optional)
- Maintenance bypass box for parallel redundancy with manual bypass switch. (Optional)
- External charger box enhances battery charging ability. (Optional)

Flexibility

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

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, two UPS in parallel share one battery cabinet for cost savings.
- Wide input voltage range reduces battery discharging occurrence prolong battery lifetime.



Server



Network



Storage



VoIP



Telecom



Industrial



Medical

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Single Phase 5-10 kVA

Technical Specifications

Model		RT5K	RT6K	RT10K	
Power Rating		5kVA /4.5kW	6kVA / 5.4kW	10kVA / 9kW	
Input	Nominal Voltage	200/208/220/230/240Vac, single phase			
	Voltage Range	100 ~ 300Vac (full load) *			
	Current Harmonic Distortion (iTHD)	< 5% (full load)			
	Power Factor	> 0.99 (full load)			
	Frequency	40 ~ 70 Hz			
	Electrical Connection	Terminal block			
Output	Voltage	200/208/220/230(default)/240Vac, 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; >150%: Immediately			
	Electrical Connection	Terminal block			
	Crest Factor	3:1			
Battery & Charger	Nominal Voltage	192 Vdc	240 Vdc		
	Charge Current	Built-in: max. 4 Amp (adjustable); Extra charger (optional): max. 4 Amp (internal installation)			
	Electrical Connection	Delta standard cable			
Display	LED	AC input, Battery, Bypass, Fault			
	LCD (Multi-Language)	Input/Output/Bypass (voltage, frequency), Loading and battery level, Remaining runtime Abnormal message and intelligent self diagnosis			
Interface	Standard	RS232 x 1, SNMP slot x 1, Smart slot x 1, Parallel port x 1			
	Optional Accessories	SNMP Slot	SNMP card, Modbus card, Relay I/O control card, EnviroProbe, SNMP hub		
	Smart Slot	Mini SNMP card, Mini ModBus card, Mini relay I/O control card, USB card, TVSS card			
Conformance	Safety	CE, TUV, EN62040-1-1			
	EMC	CISPR 22 Class A			
Others	Parallel Redundancy	1+1 Redundancy			
	Remote Control	REPO; Remote On/Off			
	Common Battery Installation	Feasible			
	Optional Accessories	Rail kit; Maintenance bypass box; External battery pack; Internal charger board; External charger box; External charger board; Dust filter			
Overall	Efficiency	Online Mode	92% (full load)		
		ECO Mode	96% (full load)		
	Temperature	0 ~ 40°C			
	Relative Humidity	0 ~ 95% (non-condensing)			
	Audible Noise	54 dBA (at one meter)			
	Dimensions (WxDxH)	UPS	440 x 671 x 89 mm	440 x 623 x 131 mm	
		Battery Cabinet	440 x 638 x 89 mm	440 x 595 x 131 mm	
	Weight	UPS	15.5 kg	21.3 kg	
Battery Cabinet		37 kg	66 kg		

* Lower range 100~180Vac is acceptable under 50~100% loading condition.
All specifications are subject to change without prior notice.



5-6kVA + Battery Pack



10kVA + Battery Pack



Charger Box



Maintenance Bypass Box



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



Delta offers full-scale UPS solutions from
0.6kVA to 4000kVA to fulfill all your power security needs.

