

The power behind competitiveness

# Delta UPS - Amplon Family

RT Series, Single Phase  
1/2/3 kVA

## Reliable power with greater energy-saving features

The Amplon RT 1-3kVA series is an online double-conversion UPS providing consistent sine-wave power to your critical equipment. It supports personal computers, networks, servers, VoIP and telecommunications. The Amplon RT 1-3kVA series features an output power factor of 0.9 and best-in-class AC-AC efficiency up to 94% resulting in greater energy savings. Optional external battery pack can be connected for longer backup time to keep your applications safe and running smoothly at all times.

### Availability

- True online double-conversion topology and zero transfer time to battery ensure high reliability.
- Watch-dog design of DSP (Digital Signal Processor) increases reliability.
- Cold-start capability provides temporary battery power when the utility power is out.
- Fan failure detection alerts users to failed fans.
- Hot swappable batteries ensure continuous operation even when batteries are being replaced.
- Optional external battery pack for easy scaling of longer backup time.



### Green & Low TCO

- High output power factor 0.9 provides more real power to critical loads.
- High input power factor (pf > 0.99) and low harmonic distortion (iTHD < 5%) save upstream investment.
- Up to 94% AC-AC efficiency and 97% efficiency in ECO mode result in marked energy cost savings.
- Wide input voltage range reduces the chance of using the battery and extends battery life.
- Intelligent battery management sustains battery life and performance.
- Fan speed control by load level maximizes efficiency and reduces audible noise.

### Flexibility

- Load segment control allows less-critical loads to be disconnected during blackouts and saves battery runtime for important loads.
- Convertible rack and tower configuration in 2U size cabinet.
- Excellent local communications through rotatable LCD display.
- Intelligent management software connectivity via RS232 or USB port.



Server



Telecom



Industrial



Network



VoIP



Storage



Medical

 **DELTA**  
Smarter. Greener. Together.

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Technical Specifications				
Model		RT-1k	RT-2k	RT-3k
Power Rating		1kVA/ 0.9KW	2kVA/ 1.8KW	3kVA/ 2.7KW
Input	Nominal Voltage	200*, 208*, 220, 230, 240 Vac		
	Voltage range	120 ~ 280 Vac**		
	Frequency	50/60 Hz ± 10 Hz		
	Power Factor	> 0.99 (full load)		
	Current Harmonic Distortion	<5%		
Output	Power Factor	0.9		
	Voltage	200*, 208*, 220, 230, 240 Vac		
	Voltage Regulation	± 2% (linear load)		
	Frequency	50/60 Hz ± 0.05 Hz		
	Current Harmonic Distortion	< 3% (linear load)		
	Overload Capability	< 105%: Continuous; 105% ~ 125%: 1 minute; 125% ~ 150%: 15 seconds		
	Crest Factor	3:1		
	Receptacle	IEC C13x3x2	IEC C13x3x2, IEC C19x1	IEC C13x3x2, IEC C19x1
Efficiency	Online Mode	90%	Up to 94%	
	ECO Mode	95%	Up to 97%	
Battery	Nominal Voltage	24 Vdc	48 Vdc	72 Vdc
	Battery Type	12V/9 Ah Sealed lead-acid battery		
	Typical Backup Time***	6.5 minutes	7.5 minutes	
	Charge Current	1.5A	2A	2A
	Recharge Time	3 hours to 90%		
Audible Noise		< 40 dBA	< 42 dBA	< 49 dBA
Display	LCD display and LED indicators			
Communication Interfaces	SMART Slot x 1, RS-232 Port x 1, USB Port x 1, REPO x 1			
Compliance	CE, RCM, CB Report (by TUV), EN 62040-1, EMC EN 62040-2			
Dimensions (Wx Dx H)	UPS	440 x 335 x 89 mm	440 x 432 x 89 mm	440 x 610 x 89 mm
	External Battery Pack	440 x 335 x 89 mm	440 x 432 x 89 mm	440 x 610 x 89 mm
Weight	UPS	12 Kg	18 Kg	28 Kg
	External Battery Pack	15 Kg	27 Kg	44 Kg
Environment	Operating Temperature	0 ~ 40°C		
	Relative Humidity	5% ~ 95% (non-condensing)		

\* When the UPS is de-rated to 90% of its capacity.

\*\* Lower range 120 ~ 175 Vac is acceptable under 70 ~ 100% loading condition.

\*\*\* When the total load reaches 75%.

All specifications are subject to change without prior notice.



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

