

The power behind competitiveness

Delta UPS – Amplon Family

R Series, Single Phase

1/2/3 kVA

Reliability for the most critical moments

The Amplon R series is a true on-line, double-conversion UPS that protects devices from potential power problems such as spikes, surges and brownouts. It is available in either a rack or tower configuration and is recommended for servers, VoIP, telecommunications and networking.

The Amplon R series has inbuilt batteries to provide continuous and stable power to critical loads when power events occur.

For longer backup time requirements you can add an external battery pack to enhance availability.



Availability

- Double-conversion technology provides 24/7 full-time protection.
- Automatic input frequency detection.
- Inbuilt batteries for basic runtime demand.
- Additional charger board can be added to reduce recharging time.
- AC-start and battery-start capabilities.

Flexibility

- Rack or tower configuration in 2U size cabinet.
- Fulfill long backup time demand for mission critical applications.
- Remote management over network via software.
- EPO.

Low Total Cost Of Ownership

- High input power factor (pf > 0.97) saves installation cost.
- Wide input voltage range reduces battery discharging occurrence and prolongs battery lifetime.



Server



Telecom



Industrial



Network



VoIP



Storage



Medical



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Technical Specifications				
Model		R-1K	R-2K	R-3K
Power Rating		1kVA/800W	2kVA/1600W	3kVA/2400W
Input	Nominal Voltage	110/120 Vac (single phase)		
	Voltage Range	80 ~ 138 Vac *	90 ~ 138 Vac *	90 ~ 138 Vac *
	Frequency	45 - 65 Hz		
	Power Factor	> 0.97		
	Electrical Connection	Power cord	Power cord	Power cord
Output	Voltage	110/120 Vac (single phase)		
	Voltage Regulation	± 2%		
	Voltage Harmonic Distortion	< 3% (linear load) < 6% (Computer load)		
	Frequency	50 / 60 ± 0.05 Hz		
	Wave Form	Pure sine wave		
	Transient Response	< 10% (10%~90% Linear Load)		
	Overload Capability	105 ~ 125%: 3 minutes; 125 ~ 150%: 30 seconds; > 150%: 0.5 second		
	Receptacle	NEMA 5-15R 2x3	NEMA 5-15R/20R x6 NEMA L5-20R x 1	NEMA 5-15R/20R x6 NEMA L5-30R x 1
Battery	Nominal Voltage	24Vdc 12V/8,5Ah, 2 pcs	48Vdc 12V/8,5Ah, 4 pcs	72Vdc 12V/8,5Ah, 6 pcs
	Typical Backup Time	4min(800w)/13min(400w)	4min(1600w)/13min(800w)	5min(2100w)/15min(1050w)
	Recharge Time	≥ 6 hours to 80 ~ 90%		
	Electrical Connection	Anderson connector		
Interface	Standard	USB x 1, RS-232/dry contact (DB9) x 1, SNMP slot x 1		
	Optional Accessories	SNMP card, ModBus card, Relay I/O control card, EnviroProbe, SNMP+5 ports Hub		
Conformance	Safety & EMC	IEEE 62.41 Category A	CNS 14843-1	CNS 13438
Other Features	Rail Kit	Optional		
	Tower Stand Kit	Optional		
	External Battery Pack	Optional		
	Crest Factor	3:1		
	Data Line Protector	RJ11/RJ45, phone and network		
Efficiency	AC-AC	> 87% (full load)		
Environment	Operating Temperature	0 ~ 40°C		
	Relative Humidity	5 ~ 95% (non-condensing)		
	Audible Noise (at one meter)	45 dBA	50 dBA	60 dBA
Physical	Dimensions (WxDxH)	440 x 335 x 89 mm	440 x 432 x 89 mm	440 x 610 x 89 mm
	Weight	13 kg	21 kg	50.4 kg

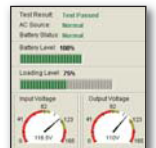
* Lower range 65~80 / 65~90 Vac is acceptable under 50 ~ 100% loading condition (derating).
All specifications are subject to change without prior notice.



Friendly LED Display



Rear View



Power Management Software



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