

The power behind competitiveness

Delta UPS—Amplon Family

M Series, Single Phase

1 / 1.5 / 2 / 3 kVA

Reliable Power Protection For Small And Medium Businesses

The Amplon M series is a line-interactive UPS providing sine-wave quality ideally suited for devices in small and medium businesses. Automatic voltage regulator (AVR) delivers stable voltage while providing higher availability. It is available in either rack or tower configuration to fit multiple applications such as servers, networking, VoIP and telecommunications. The Amplon M features excellent normal mode efficiency and high output power factor, resulting in a greater power supply for critical loads at significantly less operating cost.



Availability

- Hot swappable battery pack for easy maintenance.
- Automatic voltage regulator (AVR) delivers stable output voltage.
- Wide input voltage range reduces battery discharge occurrence and extends battery life.
- Battery starts when utility power is not present.
- Self test for battery replacement warning.

Flexibility

- Rack or tower configuration in 2U size cabinet.
- Optional external battery pack (applicable for 3kVA model) for extendable backup time.
- Communication slot for various smart cards to support various applications.
- Intelligent management software connectivity via RS232 or USB port.

Total Cost of Ownership

- High output power factor 0.9 provides more real power to critical loads.
- High efficiency online mode can reach at minimum 97% and 96% for 1/1.5kVA and 2/3kVA respectively supporting operating cost savings.
- Automatic fan-speed control function lowers noise and prolongs fan life under different operation modes with lower speed.



Server



Telecom



Industrial



Network



VoIP



Storage



Medical



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Technical Specifications

Model		M-1K	M-1.5K	M-2K	M-3K	
Power Rating		1 kVA / 0.9 kW	1.5 kVA / 1.35 kW	2 kVA / 1.8 kW	3 kVA / 2.7 kW	
Input	Nominal Voltage	220 / 230 / 240 Vac (Single Phase)				
	Voltage Range	-18% ~ +21%				
		220 Vac: 180-266 Vac				
		230 Vac: 188-278 Vac				
		240 Vac: 196-290 Vac				
	Frequency	50/60 Hz (± 5Hz) Auto selectable				
	Electrical Connection	IEC320 C14 x 1		IEC320 C20 x 1		
Output	Voltage	220 / 230 / 240 Vac (Single Phase)				
	Voltage Regulation	± 10%				
	Power Factor	0.9				
	Frequency	50/60 Hz (± 0.1Hz)				
	Overload Capability		111%~125%: Shutdown after 20 seconds			
			126% ~ 150%: Shutdown after 10 seconds			
		>150%: Shutdown immediately				
	Receptacle	IEC320 C13 x 2 x 4		IEC320 C13 x 2 x 4 IEC320 C19 x 1		
Battery	Nominal Voltage	36 Vdc	36 Vdc	72 Vdc	72 Vdc	
	Charge Current	7 Ah	9 Ah	7 Ah	9 Ah	
	Typical Backup Time		≥ 4 minutes (full load)			
			≥ 10 minutes (half load)			
	Charging Capacity	6 hours to 90%				
Interface	Standard	RS232, USB, Smart slot , REPO				
Efficiency	Normal mode	> 97%		> 96%		
	AVR mode	> 93%				
Environment	Relative Humidity	0 ~ 95% (non-condensing)				
	Temperature	0 ~ 40°C				
	Audible Noise (at one meter)	< 45 dBA		< 60 dBA		
Physical	Display	LEDs				
	Dimensions (W* D* H)	440 x 429.4 x 88.5 mm		440 x 608 x 88.5 mm		
	Weight	18.5 kg	19.2 kg	33 kg	34.7 kg	
Conformance	Safety & EMC	CE, CB Report (by TÜV), EN 62040-1, EMC EN62040-2 C1				
External Battery Pack (Optional and Only)	Dimensions (W* D* H)	N/A		440 x 429.4 x 88.5 mm		
	Weight	N/A		23.3 kg		
Applicable for 3kVA Model)	Nominal Voltage	N/A		72 Vdc		
	Type	N/A		9 Ah		

Refer to the rating label for the safety rating.
All specifications are subject to change without prior notice.



Friendly LED Display



Rack/Tower Configuration



1/1.5 kVA Rear View



2 kVA Rear View



3 kVA Rear View



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

