# 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.

















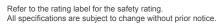


# Delta UPS-Amplon Family

## M Series, Single Phase

### 1 / 1.5 / 2 / 3 kVA

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 V	/ac (Single Phase)		
	Voltage Range	-18% ~ +21%			
		220 Vac: 180-266 Vac			
		230 Vac: 188-27	8 Vac		
		240 Vac: 196-29	0 Vac		
	Frequency	50/60 Hz (± 5Hz) Auto selectable			
	Electrical Connection	IEC320 C14 x 1 IEC320 C20 x 1			
Output	Voltage	220 / 230 / 240 V	/ac (Single Phase)		
	Voltage Regulation	± 10%			
	Power Factor	0.9			
	Frequency	50/60 Hz (± 0.1H	lz)		
	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	Dimensions (W* D* H)	N/A			440 x 429.4 x 88.5 mm
(Optional and Only	Weight	N/A			23.3 kg
Applicable for 3kVA Model)	Nominal Voltage	N/A			72 Vdc
	Туре	N/A			9 Ah





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



