

# Q-MS™ 3 to 8 kVA DATA SHEET

Q-MS 3



Q-MS 3.75, 5, 6



Q-MS 8



## Q-MS™ 3 to 8 kVA

POWER MANAGEMENT & UPS SYSTEM

### RELIABLE POWER

The Q-MS™ assures perfect power to connected equipment. The systems isolate, filter, and regulate impure and erratic input power to provide a pure and consistent sine wave output.

The Q-MS™ promises perpetual uptime, providing you with a worthwhile return on your investment. This system promises the highest level of power quality and continuity. Regardless of grid power availability or quality, your equipment will run seamlessly. In the event of a long-term power outage, the Q-Series can provide shutdown notifications for a graceful shutdown every time.

### Why the Q-MS Series is superior:



**Highest Quality Power**

High-resolution sine wave output



**Customizable**

Made to fit your equipment needs



**Durable**

Designed to withstand extreme conditions



**Complete Protection**

Five stages of isolation and conversion to accept a wide range of input power variation



**Flexible**

Wide range of phase, voltage, and frequency options for both input and output

## OUTPUT

	Q-MS™ 3 kVA	Q-MS™ 3.75 kVA	Q-MS™ 5 kVA	Q-MS™ 6 kVA	Q-MS™ 8 kVA
Capacity (VA)	3,000	3,750	5,000	6,000	8,000
Capacity (watts)	2,400	3,000	4,000	5,000	6,400
Efficiency (AC To AC)	> 85%				
Voltage	1P2W 220Vac ± 5% (Adjustable)				
Frequency	50Hz or 60Hz				
Transfer Time (AC Fault)	Zero				
Voltage Regulation	± 1%				
Frequency Stability	± 0.5% (Free running)				
Transient Response	± 3% (100% Load variation)				
Waveform	Sine wave				
Distortion	< 3% at 0-100% (Linear load)				
Overload Capacity	110-150%: 30 sec, >150%: constant power	120%: 30 sec,>150%: constant power			
Power Factor	0.7-1, lag				
Crest Ratio	3: 1				

## INPUT

	Q-MS™ 3 kVA	Q-MS™ 3.75 kVA	Q-MS™ 5 kVA	Q-MS™ 6 kVA	Q-MS™ 8 kVA
Voltage*	1 P2W, 220 VAC				
Voltage Range	-15%, +25%	-15%, +25% or -30%, + 40% (with AVR option)			
Frequency	50Hz or 60Hz ± 5%				

## BATTERY

	Q-MS™ 3 kVA	Q-MS™ 3.75 kVA	Q-MS™ 5 kVA	Q-MS™ 6 kVA	Q-MS™ 8 kVA
Voltage	192 VDC				
Charger	1A charger built-in	5A charger built-in, 1 QA charger (Option)			

## PROTECTION

	Q-MS™ 3 kVA	Q-MS™ 3.75 kVA	Q-MS™ 5 kVA	Q-MS™ 6 kVA	Q-MS™ 8 kVA
Battery	Battery low shutdown and breaker				
Overload	120-150%: 30 seconds, then switch to bypass line & automatic re-transfer				
Short Circuit	Current limited and cut-off and fuse and breaker				
UPS Fault	Bypass, load supplied from mains less than 2ms				

## AUDIBLE ALARM

	Q-MS™ 3 kVA	Q-MS™ 3.75 kVA	Q-MS™ 5 kVA	Q-MS™ 6 kVA	Q-MS™ 8 kVA
Mains Failure	Sounding every four seconds after mains fail, 90 seconds mute				
Final Discharge	Sounding once every second as battery approaches				
Overload	Continuously				
UPS Fault	Continuously				

## DISPLAY

	Q-MS™ 3 kVA	Q-MS™ 3.75 kVA	Q-MS™ 5 kVA	Q-MS™ 6 kVA	Q-MS™ 8 kVA
LCD	UPS status, VP&O/P voltage/frequency, battery voltage, loading %, history record				
LED	Utility LED (Green), Inverter LED (Green), Battery low (Yellow) Bypass voltage (Yellow) Fault LED (Red), Overload (Yellow)				

## ENVIRONMENT

	Q-MS™ 3 kVA	Q-MS™ 3.75 kVA	Q-MS™ 5 kVA	Q-MS™ 6 kVA	Q-MS™ 8 kVA
Operation Temperature	0 - 40 °C (32 - 104 °F)				
Relative Humidity	0-90% (non-condensing)				
Audible Noise (at 1M)	< 45dBA				

## PHYSICAL

	Q-MS™ 3 kVA	Q-MS™ 3.75 kVA	Q-MS™ 5 kVA	Q-MS™ 6 kVA	Q-MS™ 8 kVA
Net Weight (kg)	57 with built-in battery	104	108	111	157
Dimensions (W*H*D)mm	180*360*500	230*685*578			480*845*340

## POWER INNOVATIONS PUTS POWER IN YOUR HANDS

Specializing in custom, critical, rugged and renewable power applications, we deliver the highest quality uninterruptible power solutions for homes, businesses, and governments worldwide.



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