



## Q-MS-RS 3-8 kVA

POWER MANAGEMENT & UPS SYSTEM

### RELIABLE POWER

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

#### Q-MS-RS Benefits:



**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

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## OUTPUT

	Q-MS-RS 3 kVA	Q-MS-RS 3.75 kVA	Q-MS-RS 5 kVA	Q-MS-RS 6 kVA	Q-MS-RS 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	220Vac, 1P 2W +/- 5% Adjustable (additional options available, contact Pii for more information)				
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-RS 3 kVA	Q-MS-RS 3.75 kVA	Q-MS-RS 5 kVA	Q-MS-RS 6 kVA	Q-MS-RS 8 kVA
Voltage*	220Vac, 1P 2W (additional options available, contact Pii for more information)				
Voltage Range	-15%, +25%	-15%, +25% or -30%, + 40% (with AVR option)			
Frequency	50Hz or 60Hz ± 5%				

## BATTERY

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

## PROTECTION

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

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## AUDIBLE ALARM

	Q-MS-RS 3 kVA	Q-MS-RS 3.75 kVA	Q-MS-RS 5 kVA	Q-MS-RS 6 kVA	Q-MS-RS 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-RS 3 kVA	Q-MS-RS 3.75 kVA	Q-MS-RS 5 kVA	Q-MS-RS 6 kVA	Q-MS-RS 8 kVA
LCD	UPS status, I/P&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-RS 3 kVA	Q-MS-RS 3.75 kVA	Q-MS-RS 5 kVA	Q-MS-RS 6 kVA	Q-MS-RS 8 kVA
Operation Temperature	0 - 40 °C (32 - 104 °F)				
Relative Humidity	0-90% (non-condensing)				
Audible Noise (at 1M)	< 45dBA				

## PHYSICAL

	Q-MS-RS 3 kVA	Q-MS-RS 3.75 kVA	Q-MS-RS 5 kVA	Q-MS-RS 6 kVA	Q-MS-RS 8 kVA
Estimated Net Weight (kg)	57 with built-in battery	104	108	111	157
Dimensions (W*H*D) (mm)	480x635x310				