

Q-MS 5

Output

Capacity (VA)	5000
Capacity (Watts)	4000
Current (peak amp) 120/220 (max amps)	38 / 19
Nominal voltage range	120 / 220 VAC (dual outputs is available as required)
Frequency	50 or 60 Hz \pm .1%
Waveform	High Resolution, pure sine wave
Outlets	Terminal Block

Input

Current (peak amps)	45 / 21
Power factor	0.8
Frequency	50 or 60 Hz \pm 5%

General

UPQ power conditioning topology	Five (5) Stages of Isolation and Conversion, High Frequency, True On-line digital sine wave
Desktop Configuration	No
Rack Mount Configuration	No
CE approved	Yes

Voltage Regulation

Input voltage range: single phase	176 to 297 VAC
Input voltage range: three phase	NA
Full load without using battery	\pm 20%
Half load without using battery	\pm 20%
Output voltage regulation	\pm 1%

Isolation

Common-mode noise rejection	Yes
Normal-mode noise rejection	Yes

Suppression

IEEE 587/ANSI 62.41 (North America)	Yes
IEEE 587/ANSI 62.41 (International)	Yes
Joules (energy absorption)	2000
Peak surge current (amp)	20000
Multi-stage protection	Yes
Conditioning	Yes
Output frequency regulation	50 / 60 Hz

Inverter driver frequency	± 0.5%
Overload capacity	>110% continuous
Crest Factor	3:1
Transfer Time	Zero
Efficiency	85% Min
UPQ to bypass/bypass to UPQ	Zero cross transfer, less than 4 ms

Full load run time	> 5 min
Half load run time	> 10 min
Extended battery packs	Cabinet
DC voltage	192 VDC
Recharge time	5 to 8 hrs
Recharge current (amps)	5
Hot-swappable	Yes, with external battery bank

Maximum heat dissipation kW	0.7
Maximum heat dissipation BTU/hr	2,389
Operating temperature	32° to 104° F (0° to 40° C)
Humidity	20-90% non-condensing

WxDxH	9 x 23 x 27 in (230 x 578 x 685 mm)
Weight in lbs/kg (no battery)	179 / 81
Weight in lbs/kg (with internal battery)	264.55 lbs / 120 kg
Battery pack 1/2 WxDxH	9 x 23 x 27 in (230 x 578 x 685 mm) / 19 x 13 x 33 in (480 x 340 x 845 mm)
Battery pack 1/2 weight	351 lbs (159 kg) / 717 lbs (325 kg)

