

Q-MS 6

Output

| | |
|---------------------------------------|---|
| Capacity (VA) | 6000 |
| Capacity (Watts) | 4800 |
| Current (peak amp) 120/220 (max amps) | 44 / 22 |
| Nominal voltage range | 120 / 220 VAC (dual outputs is available as required) |
| Frequency | 50 / 60 / 400 Hz \pm .1% |
| Waveform | High resolution, pure sine wave |
| Outlets | Terminal Block |

Input

| | |
|---------------------|---------------------------|
| Current (peak amps) | 52 / 25.7 |
| Power factor | 0.8 |
| Frequency | 50 / 60 / 400 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 | Yes |
| CE approved | Yes |

Voltage Regulation

| | |
|-----------------------------------|---------------------------------------|
| Input voltage range: single phase | 176 to 297 VAC |
| Input voltage range: three phase | 176 to 264 VAC 3w / 285 to 494 VAC 4w |
| Full load without using battery | \pm 20% |
| Half load without using battery | \pm 25% |
| Output voltage regulation | \pm 1% |

Isolation

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|-----------------------------|-----|
| 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 |
| Input frequency range | 50 / 60 Hz \pm 0.5% Hz |

High Frequency On-Line Inverter

| | |
|-----------------------------|--|
| Inverter driver frequency | \pm 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 (2 mSec. minimum) |

Battery

| | |
|------------------------|------------|
| Full load run time | > 5 min |
| Half load run time | > 15 min |
| Extended battery packs | Cabinet |
| DC voltage | 192 VDC |
| Recharge time | 5 to 8 hrs |
| Front panel removal | No |

Environment

| | |
|---------------------------------|-----------------------------|
| Maximum heat dissipation kW | .85 |
| Maximum heat dissipation BTU/hr | 2,901 |
| Operating temperature | 32° to 104° F (0° to 40° C) |
| Humidity | 20-90% non-condensing |
| Front panel removal | < 45 dBA at 1 meter |

Physical

| | |
|-------------------------------|---|
| WxDxH | 9 x 23 x 27 in (230 x 578 x 685 mm) |
| Weight in lbs/kg (no battery) | 194 lbs / 88 kg |
| Battery pack A/B (WxDxH) | 9 x 23 x 27 in (230 x 578 x 685 mm) / 19 x 13 x 33in (480 x 340 x 845 mm) |
| Battery pack A/B weight | 136 lbs (62 kg) / 355 (161 kg) |

