The **Series MC** is a Hybrid Rotary UPS ranging from 25 to 400 kVA at both 50 and 60 HZ. The product line is designed in a small footprint UPS designed to provide the same uncompromising reliability as PS&C’s large rotary UPS systems. This package is suitable for the computer room or the plant floor. The **Series MC** UPS includes the best features of rotary power systems as well as the ultimate in power protection. The **Series MC** provides clean, conditioned, uninterruptible power for critical loads such as data centers, emergency facilities and industrial processes. The modules are 100% on-line operation and 100% electrically isolated from utility to load. With an automatic system bypass and a wide input range the unit will protect the load from small anomalies to long time power outages. The user interface is a 6” color touch screen which offers the operator access to full control as well as system configuration setup and monitoring.

### Standard Equipment Features
- AC induction motor
- Brushless synchronous generator
- +10% output voltage adjustment
- Over/under output voltage protection
- Sound and vibration isolated enclosure
- Vertical motor-generator configuration for minimum footprint (some models)
- Battery float voltage automatically adjusts for low AC input voltages
- Superior motor starting capability
- Adjustable battery current limit
- Input THD filter – meets IEEE 519
- Overload protection
- Touch screen interface
- Digital metering and controls
- PLC control and internal fault monitors
- Input voltage tolerance of +10%, -20% without use of battery
- Electrically operated input and output circuit breakers

### Optional Features
- Remote monitor (Status & Control)
- Remote touch screen (Standard & Fiber optic)
- Modem, serial port & profibus
- Single phase output
- Maintenance bypass
- Paralleling capability
- Remote Communications
- “Turn Key” Installation
**System Specifications**

*Note: System performance shown is typical and is dependent upon M-G sizing, options desired, and loading of the system.*

**INPUT**

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>@ 60 Hz 208, 240, 480, 600</td>
<td>30 / 24</td>
<td>36 (91.5)</td>
<td>34.5 (87.6)</td>
<td>76 (193)</td>
<td>1950 (884)</td>
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<tr>
<td>@ 50 Hz 380, 415</td>
<td>50 / 40</td>
<td>51 (130)</td>
<td>34.5 (87.6)</td>
<td>76 (193)</td>
<td>3000 (1361)</td>
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<tr>
<td>50 Hz 3 Phase 4 Wire + Ground</td>
<td>75 / 60</td>
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<td>3950 (1791)</td>
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<td>114 (289.6)</td>
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<td>4800 (2177)</td>
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<td>34.5 (87.6)</td>
<td>79.5 (202)</td>
<td>7073 (3215)</td>
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**OUTPUT**

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**SERIES MC RATINGS, DIMENSIONS & WEIGHTS**

**THD (Total Harmonic Distortion)**

- Single 2% Max
- Total 3% Max

**Phase Separation**

- Balanced Load 120° +/- 1°
- 25% Unbalanced 120° +/- 3°

**Overload Capacity**

- 110% 2 Hours
- 125% 10 Minutes
- 150% 1 Minutes

**Power Factor**

- 0.8

**Environment**

- Temperature
- MG 0° -120° F
- Console 32° -104° F
- Altitude 3,300 ft
- Humidity 0 to 95% non-condensing
- Noise Level 0 to 95% non-condensing

Power Systems & Controls reserves the right to improve, enhance and modify the features and specifications of its products and services without prior notification.

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