Uninterruptible Power System
3 Phase Systems 4.8kVA to 50kVA

STANDARD FEATURES

• 98% efficient
• PWM/IGBT technology
• Micro-processor control
• User programmable with password protection
• UL 924 Listed
• Automatic event and alarm log
• RS232 communications port
• Input circuit breaker
• Modular design
• Low audible noise
• Internal battery circuit breaker/fuse

OPTIONAL FEATURES

• Auto dialer
• External maintenance bypass
• Summary form C contacts
• Modem
• Remote meter panel
• Output circuit breakers
• Extended factory warranty
• Factory startup and training

SPECIFICATIONS

• Input 120/208 or 277/480 VAC 3 phase 4 wire Wye configuration
• Output 120/208 or 277/480 VAC 3 phase Wye or Delta configuration
• Output load power factor .5 lag to .5 lead
• Electronic and magnetic ballast compatible
• Output distortion less than 3% THD for linear loads
• Forced air cooling only during emergency operation, no filters required
• Generator compatibility
• 90 minute runtime standard; other runtimes available upon request
Specifications are subject to change without notice to reflect improvements and upgrades.

### Input
- **Voltage**: 120/208 or 277/480VAC 3-phase 4-wire +10% -15%. (Wye configuration)
- **Input Power Walk-in Limiting inrush current to less than 125%, 10 times for 1 line cycle**
- **Input Frequency**: 60Hz, +/- 3%, 50Hz Available upon request
- **Synchronizing Slew Rate**: 1Hz per second nominal
- **Protection**: Input Circuit Breaker
- **Harmonic Distortion**: < 10%
- **Power Factor**: .5 lag/lead

### Output
- **Voltage**: 120/208 or 277/480VAC 3-phase 4-wire. (Wye or Delta configuration)
- **Static Voltage**: Load current change +/-4%, battery discharge +/-4%
- **Dynamic Voltage**: +/- 3% for +/-25% load step change, +/-6% for a 50% load step change, recovery within 3 cycles
- **Harmonic Distortion**: < 3% THD for linear load
- **Output Frequency**: 60Hz +/- .05Hz during emergency mode
- **Load Power Factor**: .5 lag to .5 lead

### Battery
- **Type**: Valve-regulated sealed lead-calcium. Contact factory for additional battery types.
- **Protection**: Automatic low-battery disconnect; automatic restart upon utility return.

### Environmental
- **Altitude**: < 10,000 feet (above sea level) without derating
- **Operating Temperature**: 20 to 30 degrees Celsius
- **Storage Temperature**: -20 to 70 degrees Celsius (electronics only)
- **Relative Humidity**: < 95% (non-condensing)

### General
- **Design**: Stand-By UPS. PWM inverter type utilizing IGBT technology with 2ms transfer time.
- **Generator Input**: Compatible with generators.
- **Control Panel**: Microprocessor controlled 2 x 20-character display with touch pad controls & functions
  - 5 LED indicators & alarm with ring-back feature
- **Metering**: Input & Output Voltage, Battery Voltage, Battery & Output Current, Output VA, Temperature, Inverter Wattage
- **Alarms**: High/Low Battery Charger Fault, Near Low Battery, Low Battery, Load Reduction Fault, Output Overload, High/Low AC Input Volts, High Ambient Temperature, Inverter Fault, Output Fault, Optional Circuit Breaker Trip
- **Communications**: RS-232 port (DB9) Programmable monthly and yearly testing (meets NFPA 101 Life Safety Code requirements)
- **Manual Maintenance Bypass**: Standard
- **Alarm Contacts**: Optional Summary Form “C” Contacts
- **Warranty**: 1 year standard warranty includes all parts, labor, & travel expenses within 48 contiguous states. Up to 10 years prorated warranty on batteries. Extended warranties, preventative maintenance and customized service plans are available.
- **Factory Start-up**: Purchase factory start-up & receive 1 additional year of warranty.
- **5 Year Service Plan**: Purchase 5 year service plan & receive free factory start-up.

### Physical
- **Cabinet**: Freestanding NEMA Type 1
- **Cooling**: Forced Air during emergency mode.
- **Cable Entry**: Top and side on 4.8KVA - 16.7KVA; side only on 24KVA - 50KVA
- **Access**: Front

### UPS Electronics Module

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<thead>
<tr>
<th>Model Number</th>
<th>Power Rating (kVA)</th>
<th>Power Rating (kW)</th>
<th>Efficiency (@ full load)</th>
<th>Audible Noise (dBA @ 1m)</th>
<th>Heat Loss (BTU)</th>
<th>Number of Batteries</th>
<th>Voltage (VDC)</th>
<th>Current (Amperes)</th>
<th>Number of Battery Cabinets</th>
<th>Cabinet Dimensions</th>
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### Physical Dimensions

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<tr>
<th>Model Number</th>
<th>Width (in)</th>
<th>Height (in)</th>
<th>Depth (in)</th>
<th>Weight (lbs)</th>
<th>Total Battery Weight (lbs)</th>
<th>Battery Wt (lbs/kg)</th>
<th>Total Sys. Wt (lbs/kg)</th>
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**MYERS POWER PRODUCTS, INC.**