**Features**

- DC Expert™ battery management system featuring
  - +/- 3% Battery Run Time
  - Battery health indication
- Powerware Hot Sync™ Redundant capability
- Large display panel provides metering, statistics, alarm history and an active mimic screen
- Prioritized cooling of components
- Flexible communication capability
  - Local communications
    - Monitor panel
    - Illuminated indicators
    - Control panel
  - Remote communications
    - Relay interface contacts
    - Building alarm contacts (programmable)
    - Summary alarm contacts
    - RS232 port (standard)
    - EPO kit
    - Remote monitor panel
- Communications options
  - Embedded communications slot to accept the following cards:
    - ConnectUPS-X SNMP/Web card
    - Multi-server card (S-RS232 serial port output)
    - Single port serial card
  - Expansion chassis available for increased communications capabilities
- Intelligent input filter option

**Input Specifications**

- **Voltage range**: (See chart on other side)
- **Frequency range**: (60 Hz) 57-63 Hz
  (50 Hz) 47.5-53 Hz
- **Surge protection**: Meets ANSI C62.41, Category A & B, EN 50091-2 and EN 50082-2
- **Power factor**: 0.95 typical at full load with input filter
- **Input current distortion**: Less than 7% with input filter

**Output Specifications**

- **Voltage THD**: Less than 3% for 100% linear load.
- **Voltage regulation**: Better than ±1% for 100% non-linear load with 3:1 crest factor
- **Transient response**: Less than 5% for 100% load step; full recovery within 1 cycle
- **Frequency (free run)**: ±0.005 Hz
- **Frequency sync range**: ±0.5 Hz
- **Frequency slew rate**: 1 Hz/second maximum
- **Voltage adjustment range (operator)**: ±5%

**Environmental Specifications**

- **Ambient temp**: 0°C to +40°C
- **Storage**: -20°C to +70°C
- **Relative humidity**: 0-95% non-condensing
- **Altitude**: 1500 meters (5000 ft.) at 40°C ambient temperature without load derating
- **Audible noise**: Less than 65 dBA at 1 meter; in accordance with ISO 7779
- **Electrostatic discharge**: Withstands 25 kV without damage or disturbance to the load; exceeds requirements of IEC 801-2
- **EMC**: Meets FCC Class A and EN 50091-2 (CISPR 22, Class A)

**Battery Specifications**

- **Matching cabinets**: Line-up or remote
- **Battery type**: Sealed, valve regulated lead acid
- **Recharge time**: 10-12 times the discharge time to 95%
- **Other battery options**: Wet cell and nickel-cadmium batteries; open racks available for battery runtime and configurations, refer to Bulletin BAT01FXA.

**Safety**

- **UL1778 Listed**: CAN/CSA C22.2 NO.107.1-M91 Listed
- **EMC**: Meets FCC Class A and EN 50091-1. All cabinets provide seismic mounting features
- **Selectable DC ground fault detection capability**

**Powerware® 9315-130**

Model 100 100kVA/80kW
Model 130 130kVA/104kW

**Powerware Recommends**

- **Software Connectivity Service**
  - PowerVision®
  - LanSafe™
  - FORESEE™
  - ConnectUPS-X SNMP/Web card
  - Multi-server card
- **Service**
  - ProActive Service Plan
  - Preventive Maintenance
  - CELLWATCH®
- **System Solutions**
  - PF Flywheel
  - PDM
  - RPP
  - Powerware Hot Sync
  - External Maintenance Bypass

Please contact your sales representative for a solution tailored to your specific needs.
Powerware 9315-130 Performance Characteristics

<table>
<thead>
<tr>
<th></th>
<th>Model 100</th>
<th>Model 130</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>Output voltage</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>Input voltage range</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum</td>
<td>340</td>
<td>340</td>
</tr>
<tr>
<td>Maximum</td>
<td>440</td>
<td>440</td>
</tr>
<tr>
<td>Input/output frequency</td>
<td>50/60</td>
<td>50/60</td>
</tr>
<tr>
<td>AC Input (with input filter)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal amps</td>
<td>128</td>
<td>160</td>
</tr>
<tr>
<td>Maximum amps</td>
<td>160</td>
<td>200</td>
</tr>
<tr>
<td>AC Input (without input filter)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal amps</td>
<td>151</td>
<td>188</td>
</tr>
<tr>
<td>Maximum amps</td>
<td>188</td>
<td>235</td>
</tr>
<tr>
<td>Bypass input</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal amps</td>
<td>146</td>
<td>188</td>
</tr>
<tr>
<td>AC Output</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal amps</td>
<td>146</td>
<td>188</td>
</tr>
<tr>
<td>10 minutes max.</td>
<td>183</td>
<td>235</td>
</tr>
</tbody>
</table>

- DC link
- Nominal DC voltage: 420
- Float voltage: 473
- End of discharge: 351
- Maximum amps: 229
- Physical attributes (w/o batt)
- Installed weight: 3150
- Installed size: 49 inches
- System efficiencies (typical)
- @ 100% load: 93
- @ 75% load: 93
- @ 50% load: 93
- Full load heat dissipation:
  - BTU/hr: 26.7
  - KCal/hr: 6.74
- Inverter efficiency (full load): 94%

- Easily adjustable for 380 or 415 VAC input/output, 50 or 60 Hz.
- Maximum amps equals full load current plus battery recharge current.
- End of discharge based on 1.07 V/Cell.
- Maximum Amps based on 1.0 V/Cell.

Physical Dimensions and Weights

- 9315-130 UPS Cabinet: 790 kg (1750 lbs)
- Output Power Distribution Cabinet (Optional): 226 kg (500 lbs)
- Input Isolation Transformer Cabinet (Optional): 636 kg (1400 lbs)
- Maintenance Bypass Module Cabinet (Optional): Refer to PLS29FXA
- Parallel Cabinet (Optional): 260 kg (570 lbs)
- Line-Up & Match Battery Cabinet Available: Refer to Bulletin BATO1FXA

Optional: 9 power factor.
All accessories feature plug and play capability. Shipping pallet and packaging adds 50 to 300 lbs per shipping unit.

Due to continuing improvement programs, specifications are subject to change without notice. Battery run times are approximate and may vary with equipment, configuration, battery age, temperature, etc. Powerware®, CELLWATCH®, DC Expert, Foreseeer, Hot Sync, and PowerVision are trademark(s) of Powerware Corporation. © 2004 Powerware Corporation

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