Eaton 9130 Rackmount UPS

Product snapshot

| Product rating: | 700–3000 VA |
| Voltage: | 120 Vac, 208–240V |
| Frequency: | 50/60 Hz (auto-sensing) |
| Configuration: | Rackmount |

Advanced power protection for:
- IT and networking environments
- Rack servers, networking gear
- Telecommunications, VoIP, security systems
- Medical systems
- Diagnostics and medical screening
- Patient record archives
- Manufacturing systems
- Chip fabrication
- Pharmaceutical production
- Chemical processing

Features

- Protects against downtime, data loss and process interruption by providing continuous, clean power
- Provides up to 3000 VA in only 2U of rack space
- Offers premium performance with a 0.9 power factor and >95 percent efficiency in high efficiency mode
- Increases battery service life and system uptime with ABM® battery charging technology
- Enables prolonged runtime of essential equipment during power outages by allowing for orderly, remote shutdown of non-critical systems or processes
- Ensures data and system integrity with LanSafe® power management software
- Provides a two-year limited warranty, an extended warranty, on-site Flex and on-site PowerTrust service contracts, and a $250,000 load protection guarantee (U.S. and Canada)

Maximum availability

- ABM technology increases battery life and system uptime
- Load segments allow for selective load shedding during outages
- Optional 2U, hot-swappable extended battery modules (EBMs) extend backup runtime for hours
- Internal hot-swappable batteries can be replaced without powering down the UPS
- UPS startup on battery power
- Optional HotSwap Maintenance Bypass (MBP) enables the entire UPS to be serviced or replaced without interrupting power to loads

Low total cost of ownership

- More real output power for dollar spent with 0.9 power factor
- Cuts energy usage and costs with >95% efficiency rating in high efficiency mode
- 3000 VA in only 2U of space saves expensive data center real estate
UPS status and operation
- Bright, front panel LCD for easy monitoring and management
- LEDs to show system status
- Optional FlexPDU adds more plug-and-play flexibility, streamlining power distribution
- Multiple options for industry-standard communications
- LanSafe® monitoring and management software included free of charge
- Free NetWatch 5.0 software enables automatic shutdown of UPS-protected devices
- Direct monitoring via existing management systems and LANs

Communications
- A standard communication slot accepts interfaces for Web, SNMP, Modbus or serial connectivity
- Connect directly to the Ethernet network and the Internet to monitor and manage the UPS with a standard Web browser
- Monitor power conditions in real time through existing facilities or building management system
- Monitor and gracefully shut down multiple servers running various operating systems
- Receive alarm notifications from the UPS, environmental monitoring devices or security systems

For more information on the 9130, please visit www.eaton.com/9130rm or call 800.356.5794.

Eaton NetWatch Client 5.0 has tested compatible with Cisco Unified Communications Manager 4.3. Go to www.eaton.com/PQ/cisco for disclaimer.
## Battery runtimes (in minutes)

<table>
<thead>
<tr>
<th>Load (VA/Watts)</th>
<th>Internal batteries</th>
<th>w/1 EBM</th>
<th>w/2 EBM</th>
<th>w/3 EBM</th>
<th>w/4 EBM</th>
</tr>
</thead>
<tbody>
<tr>
<td>PW9130L7000R-XL2U</td>
<td>190</td>
<td>55</td>
<td>102</td>
<td>148</td>
<td>175</td>
</tr>
<tr>
<td>PW9130L1000R-XL2U</td>
<td>40</td>
<td>73</td>
<td>108</td>
<td>149</td>
<td>173</td>
</tr>
<tr>
<td>PW9130L1500R-XL2U</td>
<td>58</td>
<td>101</td>
<td>152</td>
<td>219</td>
<td>270</td>
</tr>
<tr>
<td>PW9130L2000R-XL2U</td>
<td>85</td>
<td>172</td>
<td>240</td>
<td>304</td>
<td>372</td>
</tr>
<tr>
<td>PW9130L2500R-XL2U</td>
<td>90</td>
<td>190</td>
<td>310</td>
<td>451</td>
<td>569</td>
</tr>
</tbody>
</table>

### North American models: 120V, 50/60 Hz

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Style number</th>
<th>Input connection</th>
<th>Output receptacles</th>
<th>Dimensions H x W x D, in (mm)</th>
<th>Weight, lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PW9130G2000R-XL2U</td>
<td>103006447-6591</td>
<td>5-15P</td>
<td>(6) 5-15R</td>
<td>3.4 x 172 x 17.7 (87 x 438 x 450)</td>
<td>35.3 (16.0)</td>
</tr>
<tr>
<td>PW9130G2500R-XL2U</td>
<td>103006448-6591</td>
<td>5-15P</td>
<td>(6) 5-15R</td>
<td>3.4 x 172 x 17.7 (87 x 438 x 450)</td>
<td>43.0 (19.5)</td>
</tr>
</tbody>
</table>

### Global models: 208V, 50/60 Hz

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Style number</th>
<th>Input connection</th>
<th>Output receptacles</th>
<th>Dimensions H x W x D, in (mm)</th>
<th>Weight, lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PW9130G2500R-XL2U</td>
<td>103006451-6591</td>
<td>L5-30P</td>
<td>(6) L5-30R, (1) L5-30R</td>
<td>3.4 x 172 x 23.6 (87 x 438 x 600)</td>
<td>65.0 (29.5)</td>
</tr>
<tr>
<td>PW9130G3000R-XL2U</td>
<td>103006452-6591</td>
<td>L6-20P</td>
<td>(6) L6-20R, (2) L6-20R</td>
<td>3.4 x 172 x 23.6 (87 x 438 x 600)</td>
<td>75.0 (34.0)</td>
</tr>
</tbody>
</table>

### International models: 230V, 50/60 Hz

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Style number</th>
<th>Input connection</th>
<th>Output receptacles</th>
<th>Dimensions H x W x D, in (mm)</th>
<th>Weight, lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PW9130G1000R-XL2U</td>
<td>103006447-6591</td>
<td>5-15P</td>
<td>(6) 5-15R</td>
<td>3.4 x 172 x 17.7 (87 x 438 x 450)</td>
<td>35.3 (16.0)</td>
</tr>
<tr>
<td>PW9130G1500R-XL2U</td>
<td>103006448-6591</td>
<td>5-15P</td>
<td>(6) 5-15R</td>
<td>3.4 x 172 x 17.7 (87 x 438 x 450)</td>
<td>43.0 (19.5)</td>
</tr>
</tbody>
</table>

### Extended battery modules

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Style number</th>
<th>Input connection</th>
<th>Output receptacles</th>
<th>Dimensions H x W x D, in (mm)</th>
<th>Weight, lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PW9130N1000R-EBM2U</td>
<td>103006458-6591</td>
<td>NA</td>
<td>NA</td>
<td>3.4 x 172 x 17.7 (87 x 438 x 450)</td>
<td>48.7 (22.1)</td>
</tr>
<tr>
<td>PW9130N1500R-EBM2U</td>
<td>103006459-6591</td>
<td>NA</td>
<td>NA</td>
<td>3.4 x 172 x 17.7 (87 x 438 x 450)</td>
<td>62.0 (28.1)</td>
</tr>
</tbody>
</table>

**Notes:**
- Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.
- Runtimes are shown at a 0.7 power factor.

**Comprehensive Eaton services available for 9130 Rack products**
- Warranty + extended warranties—3 or 5 years total
- On-site service plans for startups and preventive and corrective maintenance

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**www.eaton.com/powerquality 1.800.356.5794**
Technical specifications

General
User interface Graphical LCD with blue backlight and text in English, French, German, Russian, and Spanish
LEDs Four status-indicating LEDs
Topology True online, double-conversion
Diagnostics Full system self-test
UPS bypass Automatic bypass
Dimensions See models table
Rail kit 4-post rail kit included with all rackmount units
EBMs Ship with a rail kit
Remote Emergency Power-off (REPO) Emergency shutdown control through the REPO port

Electrical input
Nominal voltage 120V, 208V, 220–240V
Voltage range 120V: 90–138 Vac
208/230V: 160–276 Vac
Power draw of UPS 700: 5.8A @120V, 3.4A @208V, 3.0A @230V
1000: 8.3A @120V, 4.8A @208V, 4.3A @230V
1500: 12.5A @120V, 7.2A @208V, 6.5A @230V
2000: 16.6A @120V, 9.9A @208V, 8.7A @230V
2500: 20.8A @208V, 10.9A @230V
3000: 14.4A @208V, 13.0A @230V
Dedicated circuit breaker rating 120V:
700–1500 VA: 15A
2000 VA: 20A
2500–3000 VA: 30A
208/230V:
700–2000 VA: 10A
3000 VA: 16A
Frequency 50/60 Hz
Frequency range 45–65 Hz

Electrical output
Power factor 0.9
On utility voltage regulation ±3% of nominal voltage
On battery voltage regulation ±3% of nominal voltage
Efficiency >95% in high-efficiency mode; >86% in online mode
Frequency regulation ±3% Hz online
Load crest factor 3 to 1
Voltage waveform Sine wave
Load segments Two configurable, individually controlled receptacles

Battery
Battery type VRLA 12V/9Ah (both internal and external)
Battery runtime >3 minutes with internal batteries @100% load
Battery replacement Hot-swappable internal and external batteries
Start-on-battery Allows start of UPS without utility input

Communications
Serial port RS-232 standard, for interface to power management software
USB port HID standard, for communicating with Windows 98, XP, ME and Vista computers
Relay output Common alarm standard
Communications slot Optional communication slots (BD Slot)
Optional communication cards SNMP/Web card for direct control and monitoring in SNMP-based networks; monitoring of UPS status and meters through Web browser interface. Relay card for integration to industrial environment and building management systems, remote shutdown for IBM AS/400 systems

Environmental
Safety markings 120/208V: UL, CUL, VCCI
230V: CE, GS
EMC markings 120V: FCC Class B, EN55022 Class B (1.5 kVA and below); FCC Class A, EN55022 Class A (2.0 kVA and above)
230V: CE (per IEC/EN62040-2: Emissions, Category C1; Immunity, Category C2)
Audible noise <50 dB
Ambient operating temperature 0˚C (32˚F) to +40˚C (104˚F)
Storage -20˚C (-4˚F) to +40˚C (104˚F) with batteries and temperature -25˚C (-13˚F) to +55˚C (131˚F) without batteries
Relative humidity 5–90% non-condensing

Heat dissipation for all voltages: 208–240V and 120V

<table>
<thead>
<tr>
<th>9130 model</th>
<th>Normal mode, BTUs/hr</th>
<th>On battery, BTUs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>700 VA</td>
<td>350</td>
<td>554</td>
</tr>
<tr>
<td>1000 VA</td>
<td>500</td>
<td>674</td>
</tr>
<tr>
<td>1500 VA</td>
<td>750</td>
<td>1,011</td>
</tr>
<tr>
<td>2000 VA</td>
<td>838</td>
<td>1,348</td>
</tr>
<tr>
<td>2500 VA</td>
<td>1,047</td>
<td>1,463</td>
</tr>
<tr>
<td>3000 VA</td>
<td>1,257</td>
<td>1,755</td>
</tr>
</tbody>
</table>

1 Due to continuing product improvement programs, specifications are subject to change without notice.

The 9130 is part of the UPSgrade™ program coming in Q2 2009.