



ИБП Eaton PW 9315-160 - Powerware 9315 80 кВА - Общая информация

Постоянная ссылка на страницу: <https://eaton-power.ru/catalog/powerware-9315/pw-9315-160/>

Powerware® 9315-80

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



Model 50 50kVA/40kW
 Model 65 65kVA/52kW
 Model 80 80kVA/64kW

Environmental Specifications

Ambient temp: 0°C to +40°C
Storage: -20°C to +70°C
Relative humidity: 5-95% non-condensing
Altitude: 1500 meters (5000ft.) 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 25kV 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)

Input Specifications

Voltage range: (See chart on other side)
Frequency range: (60 Hz) 57-63 Hz; (50 Hz) 47-53 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 5% (100% non-linear load with 3:1 crest factor); less than 3% (100% linear load)
Voltage regulation: Better than ±1%
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%

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 runtimes and configurations, refer to Bulletin BAT01FXA.

Safety

UL1778 Listed: cUL CAN/CSA C22.2 NO.107.1-M91 Listed EN 50091-1
 All cabinets provide seismic mounting features
 Selectable DC ground fault detection capability

Note: Dual feed input not available for 208V or 220V input. Specifications subject to change without notice.

Powerware Recommends

| Software | Connectivity | Service | System Solutions |
|--|---|---|--|
| <ul style="list-style-type: none"> > PowerVision® > LanSafe™ > FORESEER® | <ul style="list-style-type: none"> > ConnectUPS-X SNMP/WEB card > Multi-server card | <ul style="list-style-type: none"> > ProActive Service Plan > Preventive Maintenance > CELLWATCH® | <ul style="list-style-type: none"> > PF² Flywheel > PDM > RPP > Powerware Hot Sync > External Maintenance Bypass |

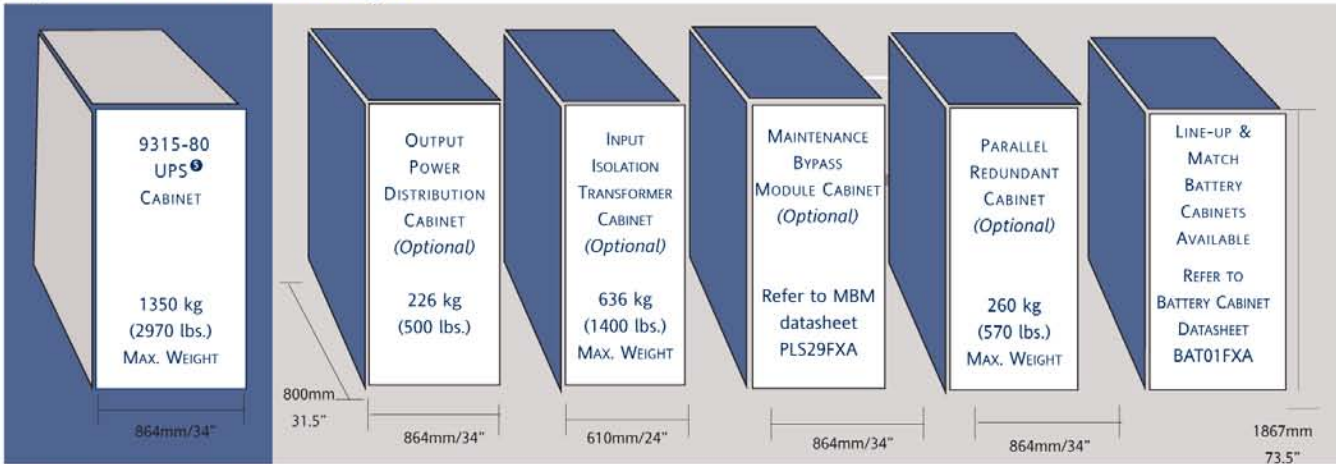
Please contact your sales representative for a solution tailored to your specific needs.

Powerware 9315-80 Performance Characteristics

| | | Model 50 | | | | | | | Model 65 | | | | | | | Model 80 | | | | |
|---------------------------------|--------|------------|------|-------------------|------|------|------|------------------|------------|------|-------------------|------|------|------|------------------|------------|------|-------------------|------|------------------|
| | | 50kVA/40kW | | | | | | | 65kVA/52kW | | | | | | | 80kVA/64kW | | | | |
| Input voltage | volts | 480 | 480 | 208 | 220 | 600 | 600 | 400 ¹ | 480 | 480 | 208 | 220 | 600 | 600 | 400 ¹ | 480 | 480 | 208 | 220 | 600 ² |
| Output voltage | volts | 208 | 480 | 208 | 208 | 600 | 208 | 400 | 208 | 480 | 208 | 208 | 600 | 208 | 400 | 208 | 480 | 208 | 208 | 600 |
| Input voltage range | | | | | | | | | | | | | | | | | | | | |
| Minimum | volts | 408 | 408 | 177 | 187 | 510 | 510 | 340 | 408 | 408 | 177 | 187 | 510 | 510 | 340 | 408 | 408 | 177 | 187 | 510 |
| Maximum | volts | 528 | 528 | 229 | 242 | 660 | 660 | 440 | 528 | 528 | 229 | 242 | 660 | 600 | 440 | 528 | 528 | 229 | 242 | 660 |
| Input/output frequency | Hz | 60 | 60 | 60 | 60 | 60 | 60 | 50/60 | 60 | 60 | 60 | 60 | 60 | 60 | 50/60 | 60 | 60 | 60 | 60 | 60 |
| AC input (with input filter) | | | | | | | | | | | | | | | | | | | | |
| Nominal amps | amps | 56 | 56 | 128 | 120 | 45 | 45 | 69 | 72 | 72 | 167 | 156 | 58 | 58 | 90 | 89 | 89 | 205 | 192 | 72 |
| Maximum amps | amps | 69 | 69 | 160 | 150 | 56 | 56 | 86 | 90 | 90 | 208 | 195 | 72 | 72 | 112 | 111 | 111 | 256 | 240 | 89 |
| AC input (without input filter) | | | | | | | | | | | | | | | | | | | | |
| Nominal amps | amps | 66 | 66 | 150 | 142 | 52 | 52 | 81 | 85 | 85 | 196 | 186 | 68 | 68 | 105 | 105 | 105 | 241 | 228 | 84 |
| Maximum amps | amps | 82 | 82 | 188 | 178 | 65 | 65 | 101 | 106 | 106 | 245 | 232 | 85 | 85 | 131 | 131 | 131 | 301 | 285 | 105 |
| Bypass input | | | | | | | | | | | | | | | | | | | | |
| Nominal amps | amps | 60 | 60 | 139 | 131 | 48 | 48 | 74 | 78 | 78 | 180 | 171 | 63 | 63 | 97 | 96 | 96 | 222 | 210 | 77 |
| AC output | | | | | | | | | | | | | | | | | | | | |
| Nominal amps | amps | 139 | 60 | 139 | 139 | 48 | 139 | 74 | 180 | 78 | 180 | 180 | 63 | 180 | 97 | 222 | 96 | 222 | 222 | 77 |
| 10 minutes max. | amps | 174 | 75 | 174 | 174 | 60 | 174 | 93 | 225 | 98 | 225 | 225 | 79 | 225 | 121 | 278 | 120 | 278 | 278 | 96 |
| DC link | | | | | | | | | | | | | | | | | | | | |
| Nominal DC voltage | volts | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 | 480 |
| Float voltage | volts | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 |
| End of discharge | volts | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 |
| Maximum amps | amps | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 160 | 160 | 160 | 160 | 160 |
| Physical attributes (w/o batt.) | | | | | | | | | | | | | | | | | | | | |
| Installed weight | lbs | 2000 | 2000 | 2475 ³ | 2475 | 2475 | 3400 | 2475 | 2000 | 2000 | 2475 ³ | 2475 | 2475 | 3400 | 2475 | 2000 | 2000 | 2475 ³ | 2475 | 2475 |
| Installed width | inches | 34 | 34 | 34 | 34 | 34 | 58 | 34 | 34 | 34 | 34 | 34 | 34 | 58 | 34 | 34 | 34 | 34 | 34 | 34 |
| System efficiencies (typical) | | | | | | | | | | | | | | | | | | | | |
| @ 100% load | % | 92 | 92 | 91 | 91 | 91 | 91 | 91 | 92 | 92 | 91 | 91 | 91 | 91 | 91 | 92 | 92 | 91 | 91 | 91 |
| @ 75% load | % | 92 | 92 | 91 | 90 | 90 | 90 | 90 | 92 | 92 | 91 | 91 | 91 | 91 | 91 | 92 | 92 | 91 | 91 | 91 |
| @ 50% load | % | 92 | 92 | 90 | 90 | 91 | 90 | 92 | 92 | 92 | 91 | 90 | 91 | 90 | 92 | 92 | 92 | 90 | 91 | 91 |
| Full load heat dissipation | | | | | | | | | | | | | | | | | | | | |
| BTU/Hr. (x1000) | | 11.9 | 11.9 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 15.4 | 15.4 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 19.0 | 19.0 | 21.6 | 21.6 | 21.6 |
| KCal/Hr. (x1000) | | 3.00 | 3.00 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 3.89 | 3.89 | 4.43 | 4.43 | 4.43 | 4.43 | 4.43 | 4.79 | 4.79 | 5.45 | 5.45 | 5.45 |
| Inverter efficiency (full load) | % | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |

¹ Easily adjustable for 380 or 415 VAC input/output, 50 or 60 Hz. ² Maximum amps equals full load current plus battery recharge current. ³ End of discharge based on 1.67 v/cell. maximum amps based on 1.8 v/cell. ⁴ For dual feed add 495 lbs.

Physical Dimensions and Weights



All accessories feature plug and play capability. Shipping pallet and packaging adds 50 to 300 lbs. per shipping unit. Casters are standard for ease of installation.

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, Foreser, Hot Sync, LanSafe and PowerVision are trademark(s) of Powerware Corporation. © 2004 Powerware Corporation

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