



ИБП Eaton PW 9315-160 - Powerware 9315 50 кВА - Общая информация

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

Powerware® 9315-50

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 30 30kVA/24kW
 Model 40 40kVA/32kW
 Model 50 50kVA/40kW

Environmental Specifications

| | |
|-----------------------------------|--|
| Ambient temp storage | 0°C to +40°C -20°C to +70°C |
| Relative humidity altitude | 0-95% non-condensing 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) |

Input Specifications

| | |
|---------------------------------|---|
| Voltage range | (See chart on other side) |
| Frequency range | (60 Hz) 57-63 Hz (50 Hz) 47-53 Hz |
| Surge protection | Meets IEEE 587, 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. Less than 5% for 100% non-linear load when tested in accordance with EN50091-3 |
| 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 <i>For battery runtimes and configurations, refer to Bulletin BAT01FXA.</i> |

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 |
|----------------------|---|

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.

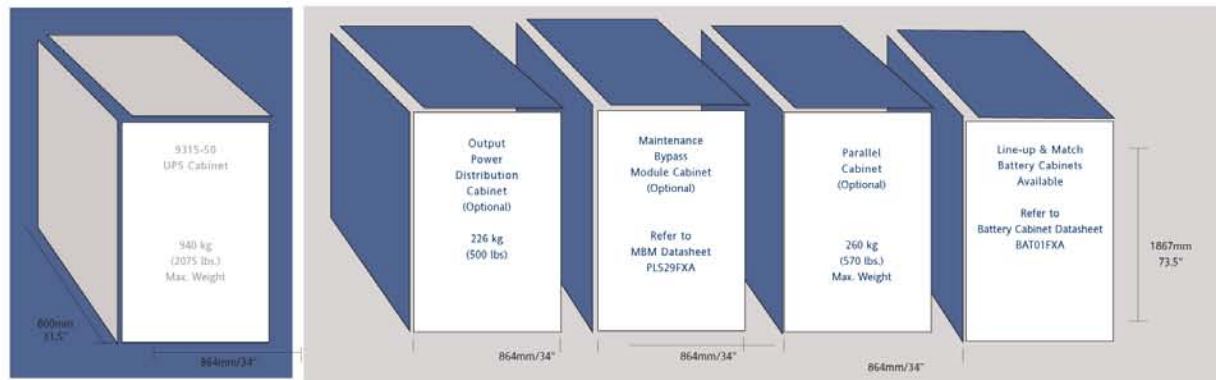
Powerware 9315-50 Performance Characteristics

| | | Model 30 30kVA/24kW | | | | | Model 40 40kVA/32kW | | | | | Model 50 50kVA/40kW | | | | |
|---------------------------------|--------|------------------------|------|------|------|------|------------------------|------|-------|------|-------|------------------------|-------|-------|-------|------|
| | | 480 | 480 | 208 | 220 | 600 | 480 | 480 | 208 | 220 | 600 | 480 | 480 | 208 | 220 | 600 |
| Input voltage | Volts | 480 | 480 | 208 | 220 | 600 | 480 | 480 | 208 | 220 | 600 | 480 | 480 | 208 | 220 | 600 |
| Output voltage | Volts | 208 | 480 | 208 | 208 | 208 | 208 | 480 | 208 | 208 | 208 | 208 | 480 | 208 | 208 | 208 |
| Input voltage range | | | | | | | | | | | | | | | | |
| Minimum | volts | 408 | 408 | 177 | 187 | 510 | 408 | 408 | 177 | 187 | 510 | 408 | 408 | 177 | 187 | 510 |
| Maximum | volts | 528 | 528 | 229 | 242 | 660 | 528 | 528 | 229 | 242 | 660 | 528 | 528 | 229 | 242 | 660 |
| Input/output frequency | Hz | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| AC input (with input filter) | | | | | | | | | | | | | | | | |
| Nominal amps | amps | 34 | 34 | 77 | 73 | 27 | 45 | 45 | 102 | 97 | 35 | 55 | 55 | 128 | 118 | 44 |
| Maximum amps | amps | 42 | 42 | 96 | 91 | 33 | 56 | 56 | 128 | 120 | 44 | 69 | 69 | 160 | 147 | 55 |
| AC input (without input filter) | | | | | | | | | | | | | | | | |
| Nominal amps | amp | 39 | 39 | 90 | 86 | 32 | 52 | 52 | 121 | 114 | 42 | 66 | 66 | 150 | 140 | 52 |
| Maximum amps | amps | 49 | 49 | 113 | 107 | 39 | 65 | 65 | 151 | 143 | 52 | 82 | 82 | 188 | 175 | 65 |
| Bypass input | | | | | | | | | | | | | | | | |
| Nominal amps | amps | 36 | 36 | 83 | 79 | 29 | 48 | 48 | 111 | 105 | 38 | 60 | 60 | 139 | 131 | 48 |
| AC output | | | | | | | | | | | | | | | | |
| Nominal amps | amps | 83 | 36 | 83 | 83 | 83 | 111 | 48 | 111 | 111 | 111 | 139 | 60 | 139 | 139 | 139 |
| 10 minutes max. | amps | 104 | 45 | 104 | 104 | 104 | 139 | 60 | 139 | 139 | 139 | 174 | 75 | 174 | 174 | 174 |
| DC link | | | | | | | | | | | | | | | | |
| Nominal DC voltage | volts | 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 |
| End of discharge | volts | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 |
| Maximum amps | amps | 60 | 60 | 60 | 60 | 60 | 80 | 80 | 80 | 80 | 80 | 100 | 100 | 100 | 100 | 100 |
| Physical Attributes (w/o batt.) | | | | | | | | | | | | | | | | |
| Installed weight | lbs | 1750 | 1750 | 2075 | 2075 | 2075 | 1750 | 1750 | 2075 | 2075 | 2075 | 1750 | 1750 | 2075 | 2075 | 2075 |
| Installed width | inches | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| System efficiencies (typical) | | | | | | | | | | | | | | | | |
| @ 100% load | % | 91 | 91 | 89 | 89 | 89 | 92 | 92 | 90 | 89 | 90 | 92 | 92 | 90 | 90 | 91 |
| @ 75% load | % | 89 | 89 | 87 | 87 | 87 | 91 | 91 | 89 | 88 | 89 | 92 | 92 | 90 | 90 | 90 |
| @ 50% load | % | 87 | 87 | 84 | 84 | 84 | 89 | 89 | 88 | 87 | 88 | 91 | 91 | 89 | 89 | 89 |
| Full load heat dissipation | | | | | | | | | | | | | | | | |
| BTU/hr. (x1000) | | 8.1 | 8.1 | 10.1 | 10.1 | 10.1 | 9.5 | 9.5 | 12.14 | 13.5 | 12.14 | 11.88 | 11.88 | 15.18 | 15.18 | 13.5 |
| KCal/Hr. (x1000) | | 2.04 | 2.04 | 2.55 | 2.55 | 2.55 | 2.39 | 2.39 | 3.06 | 3.4 | 3.06 | 2.99 | 2.99 | 3.81 | 3.81 | 3.40 |
| Inverter efficiency (full load) | | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |

Maximum Amps equals full load current plus battery recharge current. End of Discharge based on 1.67 v/cell. Maximum Amps based on 1.8 v/cell. Casters are standard for ease of installation.



Physical Dimensions and Weights



Shipping pallet and packaging adds 50 to 300 lbs. per shipping unit. • All accessories feature plug and play capability.

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

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