



Powerware® 9315-250 Uninterruptible Power System

Product Focus

Model 200 200 kVA/180 kW/160 kW
Model 250 250 kVA/225 kW/200 kW



Features

- DC Expert® battery management system featuring: +/- 3% battery runtime; battery health indication
- Powerware Hot Sync® technology for parallel redundancy and capacity scalability
- Large display panel provides metering, statistics, alarm history and an active mimic screen
- Prioritized cooling of components
- Power management software compatibility
 - PowerVision®, LanSafe®, FORESEER® software
 - Software Suite CD is bundled with the UPS
- Connectivity options
 - ConnectUPS-X Web Card, Modbus Card, Single-port Serial Card
 - Environmental Monitoring Probe for ambient temperature and humidity monitoring (requires the Web Card option)
 - Expansion Chassis available for increased communications capabilities
- Intelligent input filter option

Output Specifications

Voltage THD:	Less than 3% for 100% linear load Less than 5% 100% non-linear load with 3:1 crest factor
Voltage regulation:	Better than ±1%
Transient response:	Less than 5% for 100% load step; full recovery within 25 ms
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:	Up to 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 8 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)

Safety

EN 50091-1
All cabinets provide seismic mounting features and selectable DC ground fault detection capability

Input Specifications

Voltage range:	(See chart on opposite 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

Battery Specifications

Matching cabinets:	Line-up and remote available
Battery type:	Sealed, valve-regulated lead acid
Recharge time:	10-12 times the discharge time to 95%
Other battery options:	Wet cell batteries; open racks available

For battery runtimes and configurations, refer to data sheet BAT01FXA

Communications

Software Compatibility:	PowerVision, LanSafe, FORESEER
Communication Cards:	Connect UPS-X Web Card Modbus Card Single-port Serial Card Environmental Monitoring Probe (EMP)*

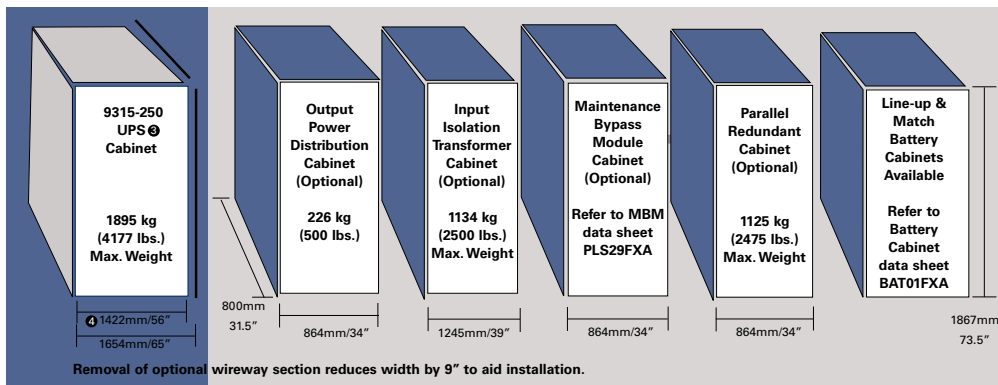
* Requires Connect UPS-X Web Card

POWERWARE 9315-250 PERFORMANCE CHARACTERISTICS

		Model 200		Model 250	
		200 kVA/ 160 kW	200 kVA/ 180 kW	250 kVA/ 200 kW	250 kVA/ 225 kW
Input voltage [ⓐ]	volts	400	400 [ⓐ]	400	400 [ⓐ]
Output voltage [ⓐ]	volts	400	400	400	400
Input voltage range					
Minimum	volts	340	340	340	340
Maximum	volts	440	440	440	440
Input/output frequency	Hz	50/60	50/60	50/60	50/60
AC input (with input filter)					
Nominal amps	amps	245	304	318	394
Maximum amps	amps	317	348	397	435
AC input (without input filter)					
Nominal amps	amps	288	357	374	464
Maximum amps	amps	360	397	467	515
Bypass input					
Nominal amps	amps	290	290	360	360
AC output					
Nominal amps	amps	290	290	360	360
10 minutes max.	amps	363	363	450	450

		Model 200		Model 250	
		200 kVA/ 160 kW	200 kVA/ 180 kW	250 kVA/ 200 kW	250 kVA/ 225 kW
DC link					
Nominal DC voltage	volts	420	420 [ⓐ]	420	420 [ⓐ]
Float voltage	volts	473	473	473	473
End of discharge	volts	351	351	351	351
Maximum amps @1.8v/cell	amps	457	514	571	642
Physical attributes (w/o batt.)					
Installed weight	lbs.	4177	4177	4177	4177
Installed width	inches	65	65	65	65
System efficiencies (typical)					
@ 100% load	%	93	93	93	93
@ 75% load	%	93	92.8	93	92.8
@ 50% load	%	92	91.6	93	91.6
Full load heat dissipation					
BTU/hr. (x1000)		47.8	55.9	59.7	69.9
KCal/hr. (x1000)		12.5	14.1	15.0	17.6
Inverter efficiency (full load)	%	95	95	95	95

Physical Dimensions and Weights



- ⓐ Optional .9 power factor.
- ⓑ Easily adjustable for 380 or 415 VAC Input/Output, 50 or 60 Hz.
- ⓒ All accessories feature plug-and-play capability.
- ⓓ Removable wire way section reduces width by 9" to aid installation.

Shipping pallet and packaging adds 50 to 300 lbs. per shipping unit.
Specifications subject to change without notice.



UNITED STATES
8609 Six Forks Road
Raleigh, NC 27615 U.S.A.
Toll Free: 1.800.356.5794
or 919.872.3020

www.powerware.com

CANADA
Ontario: 416.798.0112

LATIN AMERICA
Argentina: 54.11.4343.6323
Brazil: 55.11.3616.8500
México: 52.55.5488.5252

EUROPE/MIDDLE EAST/AFRICA
Denmark: 45.3686.7910
Finland: 358.94.52.661
France: 33.1.6012.7400
Germany: 49.7841.666.0
Italy: 39.02.66.04.05.40
Norway: 47.23.03.65.50
Sweden: 46.8.598.940.00
United Kingdom: 44.1753.608.700

ASIA PACIFIC
Australia/NZ: 61.2.9693.9366
China: 86.21.6361.5599
HK/Korea/Taiwan: 852.2745.6682
India: 91.11.2649.9414 to 18
Singapore/SEA: 65.6829.8888

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