

## Features

- ▶ DC Expert™ battery management system
  - ▶ +/- 3% battery run time
  - ▶ Battery health indication
- ▶ Powerware Hot Sync® Redundant and Capacity capability
- ▶ Large display panel provides metering, statistics, alarm history and an active mimic bus
- ▶ Prioritized cooling of components
- ▶ System Monitoring:
  - ▶ PowerVision® network software
  - ▶ RS-232 port
  - ▶ SNMP conversion
  - ▶ Accessory port
  - ▶ Building alarm contacts
- ▶ Intelligent input filter option

# Powerware® 9315-250



Powerware 9315-250

Model 200 200kVA/160kW  
Model 250 250kVA/200kW

<b>Environmental Specifications</b>	Ambient temperature: 0°C to +40°C
	Storage: -20°C to +70°C
	Relative humidity: up to 95% non-condensing
	Altitude: 1500 meters (5000ft.) at 40°C ambient temperature with out 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)

<b>Input Specifications</b>	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
<b>Output Specifications</b>	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 25ms Frequency: (free run) ±0.005 Hz Frequency sync range: ±0.5 Hz Frequency slew rate: 1 Hz/second maximum Voltage adjustment range (operator): ±5%
<b>Battery Specifications</b>	Matching cabinets – remote option available 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 run times and configurations, refer to Bulletin BAT01FXA.</i>
<b>Safety</b>	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

# Performance Characteristics

**Powerware 9315-250 Performance Characteristics**

		Model 200	Model 250
		200kVA/160kW	250kVA/200kW
Input Voltage ❶	Volts	400	400
Output Voltage ❶	Volts	400	400
Input Voltage Range			
Minimum	Volts	340	340
Maximum	Volts	440	440
Input / Output Frequency	Hz	50/60	50/60
AC Input (With input filter)			
Nominal Amps	Amps	245	318
Maximum Amps	Amps	306	397
AC Input (Without input filter)			
Nominal Amps	Amps	288	374
Maximum Amps	Amps	360	467
Bypass Input			
Nominal Amps	Amps	290	360
AC Output			
Nominal Amps	Amps	290	360
10 Minutes Max.	Amps	363	450

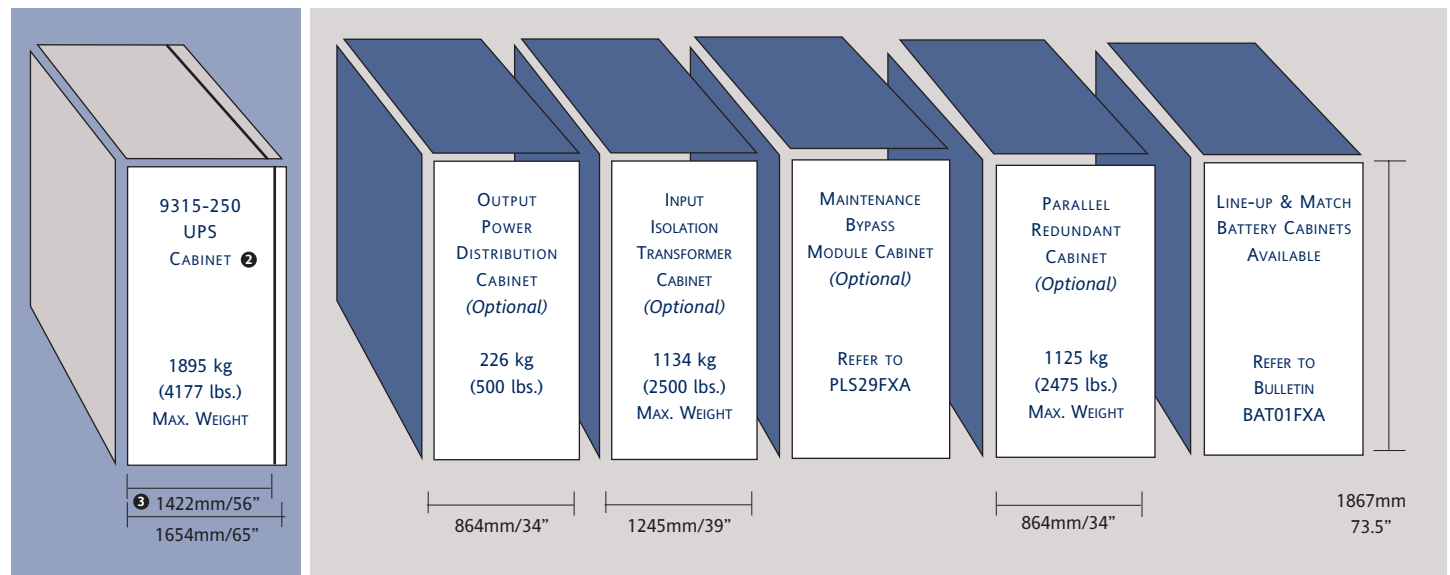
  

		Model 200	Model 250
		200kVA/160kW	250kVA/200kW
DC Link			
Nominal DC Voltage	Volts	420	420
Float Voltage	Volts	473	473
End of Discharge	Volts	351	351
Maximum Amps @1.8v/cell	Amps	446	557
Physical Attributes (w/o batt.)			
Installed Weight	Lbs	4177	4177
Installed Width	Inches	65	65
System Efficiencies (Typical)			
@ 100% Load	%	93	93
@ 75% Load	%	93	93
@ 50% Load	%	92	93
Full Load Heat Dissipation			
BTU/Hr. (x1000)		41.1	51.4
KCal/Hr. (x1000)		10.4	13.0
Inverter Efficiency (Full Load)	%	95	95

❶ Easily adjustable for 380 or 415 VAC Input/Output, 50 or 60 Hz



# Physical Dimensions and Weights



❷ All accessories feature plug and play capability.

❸ Removable wireway section reduces width 9" to aid installation.

Shipping pallet and packaging adds 50 to 300 lbs. per shipping unit.

Specifications subject to change without notice.

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