

## 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 screen
- ▶ Prioritized cooling of components
- ▶ Flexible communication capability
  - ▶ Local communication
    - 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
  - ▶ Optional communication cards
    - ConnectUPS-X SNMP/Web card
    - Multi-server card (5-RS232 serial port output)
    - Single port serial card
    - Expansion chassis (Modbus Card Standard plus 2 open slots)
- ▶ Intelligent input filter option
- ▶ Prioritized cooling

# Powerware® 9315-200



**Model 200** 200kVA/160kW

## 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
<i>Input current distortion less than 7% with input filter</i>	

## 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%

## Environmental Specifications

<b>Ambient temperature:</b>	0°C to +40°C
<b>Storage:</b>	-20°C to +70°C
<b>Relative humidity:</b>	5-95% non-condensing
<b>Altitude:</b>	1500 meters (5000ft.) at 40°C ambient temperature without load derating
<b>Audible noise:</b>	Less than 65 dBA at 1 meter; in accordance with ISO 7779
<b>Electrostatic discharge:</b>	Withstands 25kV without damage or disturbance to the load; exceeds requirements of IEC 801-2
<b>EMC:</b>	Meets FCC Class A and EN 50091-2 (CISPR 22, Class A)

## Battery Specifications

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

*For battery run times 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

*Specifications subject to change without notice.*

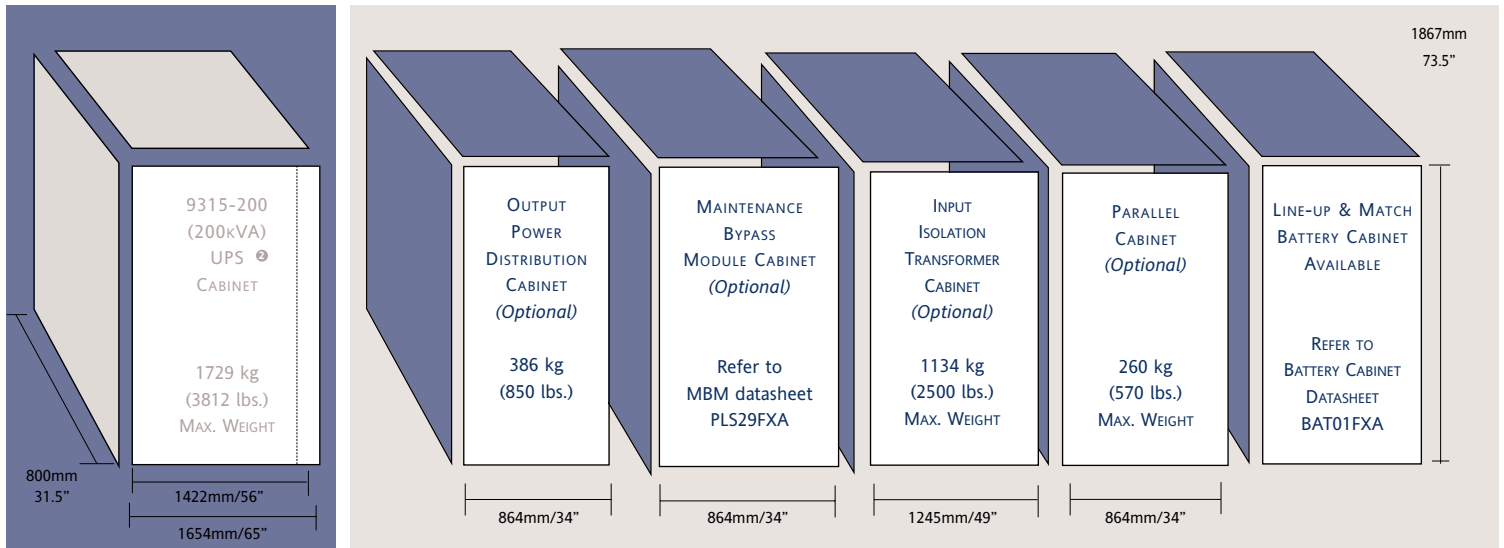
# Powerware 9315-200 Performance Characteristics

		Model 200	Model 200
		200kVA/160kW	200kVA/160kW
Input Voltage ❶	Volts	400	DC Link
Output Voltage ❶	Volts	400	Nominal DC Voltage
Input Voltage Range			Volts
Minimum	Volts	340	Float Voltage
Maximum	Volts	440	End of Discharge
Input / Output Frequency	Hz	50/60	Volts
AC Input (With input filter)			Maximum Amps
Nominal Amps	Amps	254	Amps
Maximum Amps	Amps	317	Physical Attributes (w/o batt.)
AC Input (Without input filter)			Installed Weight
Nominal Amps	Amps	288	Lbs
Maximum Amps	Amps	360	Installed Width
Bypass Input			Inches
Nominal Amps	Amps	290	System Efficiencies (Typical)
AC Output			@ 100% Load
Nominal Amps	Amps	290	%
10 Minutes Max.	Amps	363	@ 75% Load
			%
			@ 50% Load
			%
			Full Load Heat Dissipation
			BTU/Hr. (x1000)
			KCal/Hr. (x1000)
			Inverter Efficiency (Full Load)
			%

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

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