



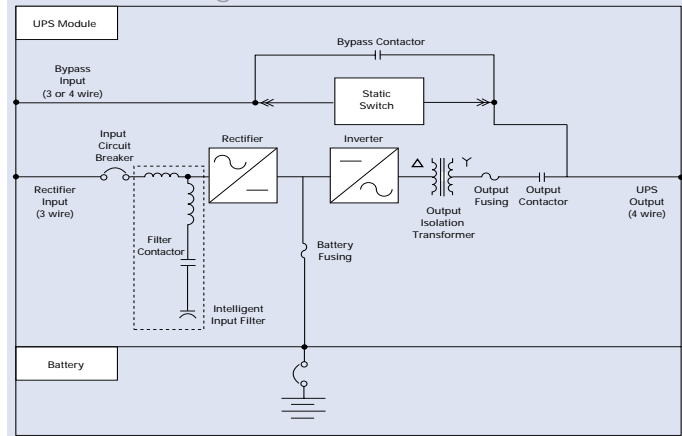
Powerware® 9315-400

Model 300 300kVA/240kW

Model 400 400kVA/320kW



One line Diagram



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

Environmental Specifications

Ambient temperature: 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 72 typical 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;
 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 – 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
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 9315-400 Performance Characteristics			
		Model 400	Model 300
		400kVA/320kW	300kVA/240kVA
Input voltage	Volts	400	400
Output voltage	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	508	381
Maximum amps ¹	Amps	635	476
AC input (without input filter)			
Nominal amps	Amps	598	448
Maximum amps ¹	Amps	747	560
Bypass input			
Nominal amps	Amps	577	433
AC output			
Nominal amps	Amps	577	433
10 Minutes max.	Amps	721	541
DC link			
Nominal DC voltage	Volts	420	420
Float voltage	Volts	473	473
End of discharge ²	Volts	351	351
Maximum amps ²	Amps	914	686
Physical attributes (w/o batt.)			
Installed weight	Lbs	6100	6100
Installed width	Inches	74	74
System efficiencies (Typical)			
@ 100% load	%	94	94
@ 75% load	%	94	94
@ 50% load	%	94	93
Full load heat dissipation			
BTU/Hr. (x1000)		69.8	52.3
KCal/Hr. (x1000)		17.6	13.2
Inverter efficiency (full load)	%	95	95



¹ Maximum amps equals full load current plus battery recharge current.

² End of Discharge based on 1.67 V/cell. Maximum Amps based on 1.8 v/cell.

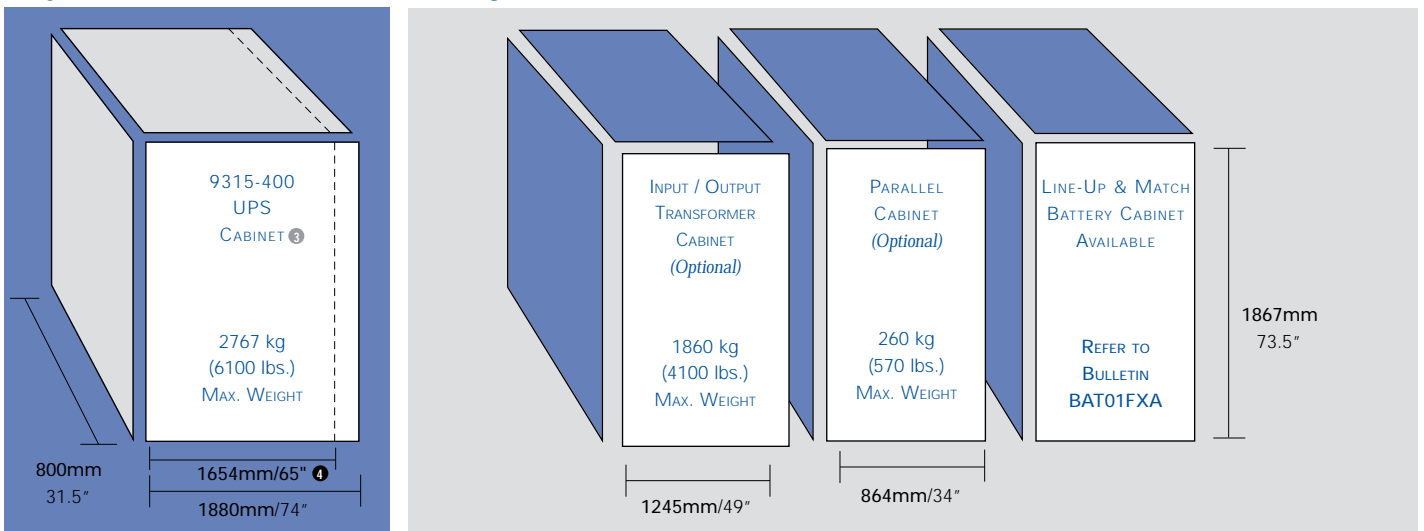
³ All accessories feature plug and play capability.

⁴ Removable wireway 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.

Physical Dimensions and Weights



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