



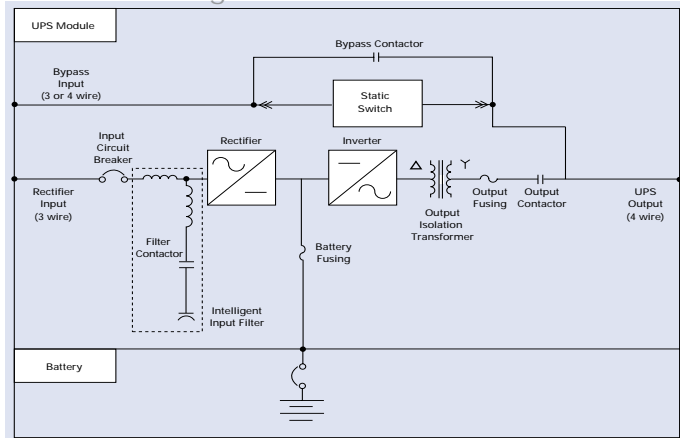
Powerware® 9315-300

Model 225 225kVA/180kW

Model 300 300kVA/240kW



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 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)

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

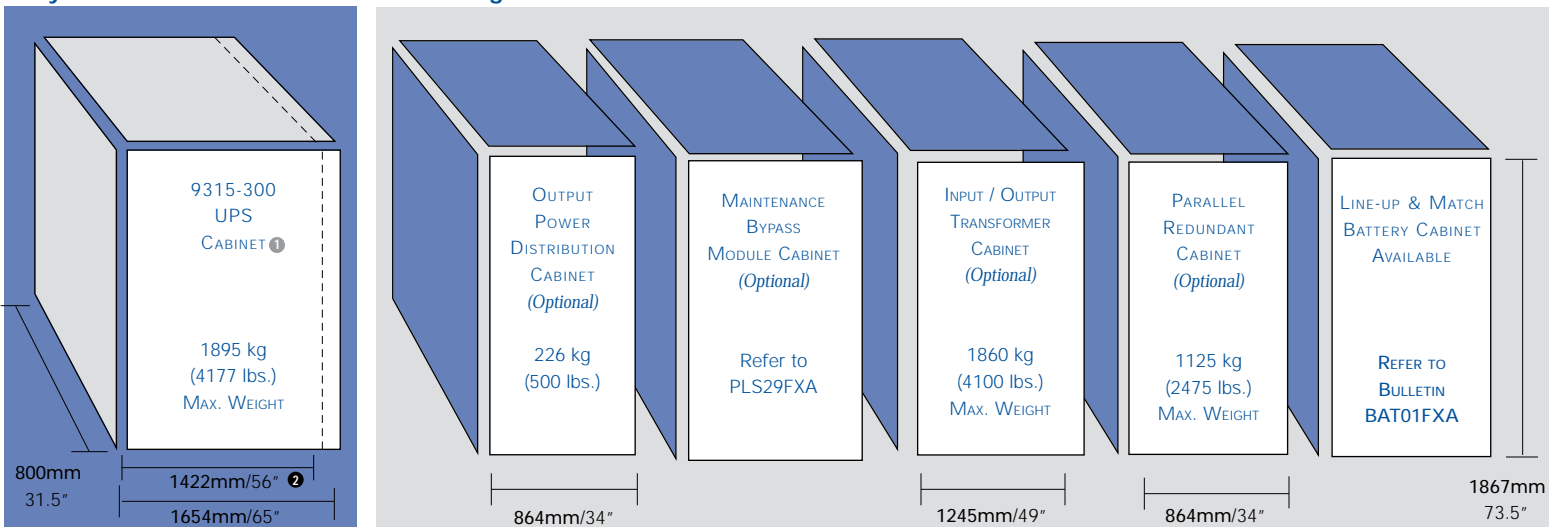
Specifications subject to change without notice.

Powerware 9315-300 Performance Characteristics

		Model 225		Model 300			
		225kVA/180kW		300kVA/240kW			
Input Voltage	Volts	480	600	208	480	480	600
Output Voltage	Volts	480	600	208	208	480	600
Input Voltage Range							
Minimum	Volts	408	510	177	408	408	510
Maximum	Volts	528	660	229	528	528	660
Input / Output Frequency	Hz	60	60	60	60	60	60
AC Input (With input filter)							
Nominal Amps	Amps	250	200	768	333	333	267
Maximum Amps	Amps	312	250	960	416	416	333
AC Input (Without input filter)							
Nominal Amps	Amps	288	236	825	384	384	314
Maximum Amps	Amps	360	294	1100	480	480	392
Bypass Input							
Nominal Amps	Amps	271	217	830	360	360	289
AC Output							
Nominal Amps	Amps	271	217	830	830	360	289
10 Minutes Max.	Amps	339	272	1038	1038	450	361
DC Link							
Nominal DC Voltage	Volts	480	480	480	480	480	480
Float Voltage	Volts	540	540	540	540	540	540
End of Discharge	Volts	401	401	401	401	401	401
Maximum Amps	Amps	450	450	600	600	600	600
Physical Attributes (w/o batt.)							
Installed Weight	Lbs	4177	4177	12,377	8277	4177	4177
Installed Width	Inches	65	65	163	114	65	65
System Efficiencies (Typical)							
@ 100% Load	%	93	92	92	93	94	92
@ 75% Load	%	93	92	92	92	94	92
@ 50% Load	%	92	91	91	92	93	92
Full Load Heat Dissipation							
BTU/Hr. (x1000)		46.3	53.7	71.3	61.7	53.2	71.3
KCal/Hr. (x1000)		11.7	13.5	18.0	15.6	13.2	18.0
Inverter Efficiency (Full Load)	%	95	95	95	95	95	95



Physical Dimensions and Weights



① All accessories feature plug and play capability. ② 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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