

Powerware® 9315-300

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 9315-300
Model 225 225kVA/180kW
Model 300 300kVA/240kW

Environmental Specifications

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 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, Power factor:	EN 50091-2, and EN 50082-2
input filter	0.95 typical at full load with
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 2.5ms
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
<i>For battery run times and configurations, refer to Bulletin BAT01FXA.</i>	

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

Powerware Recommends

Software	Connectivity	Service	System Solutions
> PowerVision® > LanSafe™ > FORESEER®	> ConnectUPS-X SNMP/WEB card > Single port serial card > Expansion Chassis	> ProActive Service Plan > Preventive Maintenance > CELLWATCH®	> Powerware Hot Sync® > PF² Flywheel > PDM > RPP > External Maintenance Bypass

Please contact your sales representative for a solution tailored to your specific needs.

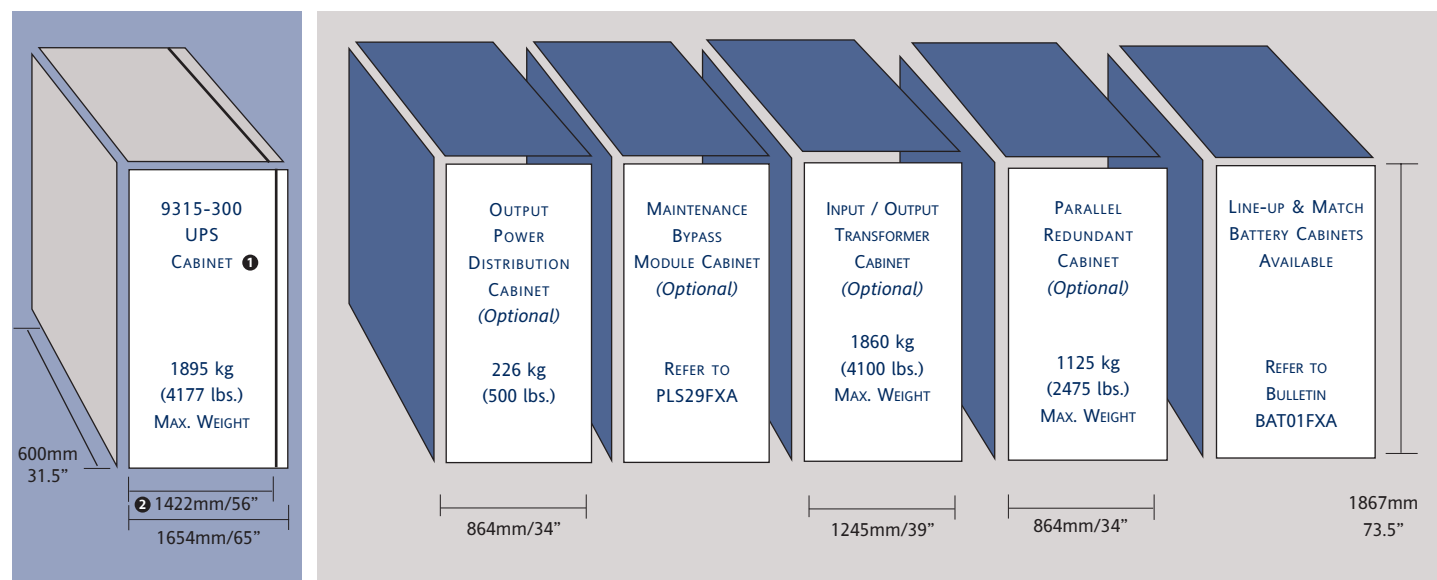
Performance Characteristics

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	245	200	748	326	326	267
Maximum Amps	Amps	306	250	935	408	408	333
AC Input (Without input filter)							
Nominal Amps	Amps	288	236	880	384	384	314
Maximum Amps	Amps	360	294	1100	480	480	392
Bypass Input							
Nominal Amps	Amps	271	217	833	360	360	289
AC Output							
Nominal Amps	Amps	271	217	833	833	360	289
10 Minutes Max.	Amps	339	272	1040	1040	450	361

		Model 225			Model 300		
		225kVA/180kW			300kVA/240kW		
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 @1.8v/cell	Amps	439	439	585	585	585	585
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.

Powerware

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