Powerware® 9315-225

Features

- **▶** DC Expert[™] battery management system
 - ±3% battery runtime
 - 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
- ▶ Flexible local and remote communication options
- Intelligent input filter option



Powerware 9315-225 Model 225 225 kVA/180 kW

Environmental Specifications

Ambient temperature 0°C to +40°C storage -20°C to +70°C

Relative humidity

Up to 95% non-condensing 1500 meters (5000 ft.) at 40°C ambient temperature without

load derating

Audible noise

Less than 65 dBA at 1 meter; in accordance with ISO 7779

Electrostatic discharge

altitude

Withstands 25 kV 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

(See chart on other side) Voltage range Frequency range (60 Hz) 57-63 Hz Meets ANSI C62.41, Category A Surge protection

& B, EN 50091-2, and EN 50082-2

0.95 typical at full load with

input filter

Input current distortion

Power factor

Less than 7% with input filter

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 2.5 ms

Frequency (free run)

Output Specifications

+0 5 Hz Frequency sync range

Frequency slew rate

range (operator)

±0.005 Hz

1 Hz/second maximum

Voltage adjustment

±5%

Battery Specifications

Matching cabinets Remote option available Sealed, valve regulated lead acid Battery type

Recharge time 10-12 times the discharge time

to 95%

Other battery options

Wet cell and nickel-cadmium batteries; open racks available For battery runtimes 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

This unit is also available in wireless, parallel, redundant and capacity configurations. See your Powerware

Representative for more details.

Powerware Recommends

Software

> PowerVision®

> LanSafe™

> FORESEER®

Connectivity

ConnectUPS-X SNMP/WEB

> Single port serial card > Expansion Chassis

Service

> ProActive Service Plan

Preventive Maintenance > CELLWATCH®

Powerware Hot Sync[®] PF² Flywheel





External



System Solutions

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

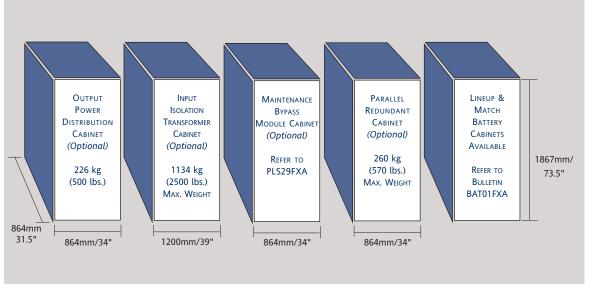


80 kW Perfor	mance Char	acteristics	
Volts	208	480	480
Volts	208	208	480
Volts	177	408	408
Volts	229	528	528
Hz	60	60	60
)			
Amps	544	245	245
Amps	721	312	312
ter)			
Amps	640	288	288
Amps	800	360	360
Amps	625	625	271
Amps	625	625	271
Amps	782	782	339
	Volts Volts Volts Volts Volts Hz Amps Amps Amps Amps Amps Amps Amps Amps	Volts 208 Volts 208 Volts 177 Volts 229 Hz 60 Amps 544 Amps 721 ter) Amps 640 Amps 800 Amps 625 Amps 625	Volts 208 208 Volts 177 408 Volts 229 528 Hz 60 60 Amps 544 245 Amps 721 312 ter) Amps 640 288 Amps 800 360 Amps 625 625 Amps 625 625

Input voltage	Volts	208	480	480
Output voltage	Volts	208	208	480
DC link				
Nominal DC voltage	Volts	480	480	480
Float voltage	Volts	540	540	540
End of discharge	Volts	401	401	401
Maximum amps @1.8v/cell	Amps	439	439	439
Physical attributes (w/o batt	i.)			
Installed weight	Kg.	7963	3863	3812
Installed width	Inches	112	65	65
System efficiencies (typical)				
@ 100% load	%	92	93	94
@ 75% load	%	92	92	94
@ 50% load	%	91	92	93
Full load heat dissipation				
BTU/Hr. (x1000)		53.7	46.2	39.2
KCal/Hr. (x1000)		13.5	11.7	9.9
Inverter efficiency (full load)	%	95	95	95

Physical dimensions and weights





- 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

WORLDWIDE HEADQUARTERS 8609 Six Forks Road Raleigh, NC 27615 U.S.A. Toll Free: 1.800.356.5794 or 919.872.3020 www.powerware.com

CANADA Ontario: 416.798.0112 PLS22FXA

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