Powerware 9315 160kVA

To Receive Detailed Quotation Call: 800-306-1125

Condition	**Pre-Owned**
Model	9315-160
Part Number	P160101612005113
Phase	Three Phase
KVA	160kVA
Input Voltage	480
Output Voltage	208/120
Frequency (Hz)	60
Dimensions H x W x D	**Inches** 73.5” x 49” x 31.5”
Weight	1,750 lbs
Warranty	90 Days
Runtime Batteries	Available - Not Included
Price	**12,500.00**

DOM: 2001

(1) Battery Cabinet Included.
Runtimes vary upon request.

L&M External MBS: 3,000.00
NEW Caps & Fans : 5,000.00

Data Sheet: http://unitedpowerups.com/documents/powerware/9315-160.pdf

Hardware Description:

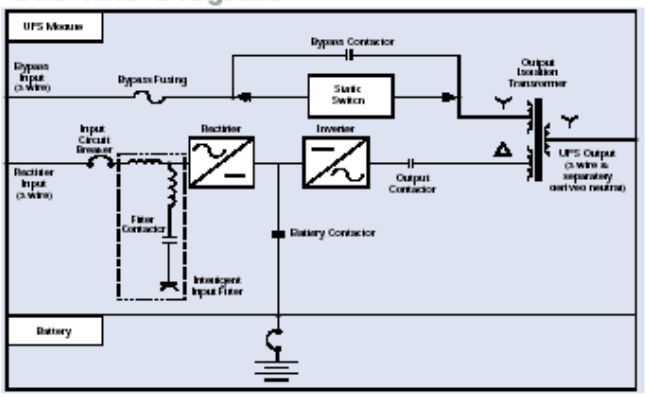
- Digital front panel display that provides metering, alarm monitoring, and user control functions. Remote monitor panel.
- Automatic bypass provides an automatic transition to the bypass mode in the event of an overload or short circuit. This allows for load-starting currents to be provided by the utility, as in larger UPS systems, while the UPS does not need to be oversized.
- Emergency Power Off (EPO) is provided for immediate local shutdown, and a jack & plug for remote operation. Bypass Plus features automatic and manual maintenance bypass.
- Rectifier/charger: Incoming AC power shall be converted to DC by a full-wave rectifier. The DC power then shall be processed by a high frequency resonant converter to supply power to the inverter. The resonant converter shall contain a high-frequency transformer that shall provide galvanic isolation between the input and output. In the event of AC power failure, the resonant converter shall be supplied power, without interruption, by the battery.
- Overload Capability: The rectifier shall be capable of supplying an overload current of not less than 125% of rated full-load current.
- Inverter: The inverter shall convert the DC power at its input to regulated AC power using pulse-width-modulation techniques. The regulated output of the inverter shall supply power to the critical load.
- Large display panel provides metering, statistics, alarm history and an active mimic bus

BUY **SELL** **LEASE** **RENT** **TRADE**

Powerware® 9315-160

Model 100 100kVA/80kW
Model 130 130kVA/104kW
Model 160 160kVA/128kW

One line Diagram



Features

- DC Expert™ Battery Management System
  - +/- 3% Battery Run Time
  - Battery Health Indication
- Powerware Hot Sync® Redundant 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; (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
Input current distortion less than 7% with input filter

Specifications subject to change without notice.

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 – Line-up or remote
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

Powerware® 9315-160		Model 100 100kVA/80kW							Model 130 130kVA/104kW							Model 160 160kVA/128kW						
Input Voltage	Volts	480	480	208	220	600	600	400[1]	480	480	208	220	600	600	400[1]	480	480	208	220	600	600	400[1]
Output Voltage	Volts	208	480	208	208	600	208	400	208	480	208	208	600	208	400	208	480	208	208	600	208	400
Input Voltage Range																						
Minimum	Volts	408	408	177	187	510	510	340	408	408	177	187	510	510	340	408	408	177	187	510	510	340
Maximum	Volts	528	528	229	242	660	660	440	528	528	229	242	660	660	440	528	528	229	242	660	660	440
Input / Output Frequency	Hz	60	60	60	60	60	60	50/60	60	60	60	60	60	60	50/60	60	60	60	60	60	60	50/60
AC Input (With input filter) - *Standard in U.S.*																						
Nominal Amps	Amps	112	112	256	243	89	89	128	140	140	320	304	112	112	160	174	174	418	395	146	146	209
Maximum Amps	Amps	139	139	320	303	111	111	160	174	174	400	379	139	139	200	200	200	480	454	167	167	240
AC Input (Without input filter)																						
Nominal Amps	Amps	128	128	302	285	105	105	159	160	160	377	356	128	128	192	209	209	492	465	171	171	244
Maximum Amps	Amps	160	160	377	356	131	131	198	200	200	471	445	160	160	240	240	240	565	534	196	196	280
Bypass Input																						
Nominal Amps	Amps	120	120	278	262	96	96	146	156	156	361	341	125	125	188	192	192	444	420	154	154	231
AC Output																						
Nominal Amps	Amps	278	120	278	278	96	278	146	361	156	361	361	125	361	188	444	192	444	444	154	444	231
10 Minutes Max.	Amps	348	150	348	348	120	348	183	452	195	452	452	157	452	235	555	240	555	555	193	555	289
DC Link																						
Nominal DC Voltage	Volts	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480
Float Voltage	Volts	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540
End of Discharge[2]	Volts	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401
Maximum Amps[2]	Amps	200	200	200	200	200	200	200	260	260	260	260	260	260	260	320	320	320	320	320	320	320
Physical Attributes (w/o batt.)																						
Installed Weight	Lbs	3150	3150	5000	5000	3975	3975	3975	3150	3150	5000	5000	3975	3975	3975	3150	3150	5000	5000	3975	3975	3975
Installed Width	Inches	49	49	73	73	49	49	49	49	49	73	73	49	49	49	49	49	73	73	49	49	49
System Efficiencies (Typical)																						
@ 100% Load	%	93	93	91	91	92	92	92	93	93	92	92	92	92	92	93	93	92	92	92	92	92
@ 75% Load	%	92	92	91	90	92	92	92	93	93	91	91	92	92	92	93	93	92	92	92	92	92
@ 50% Load	%	91	91	88	88	89	89	91	91	91	89	89	89	89	91	93	93	91	91	92	92	92
Full Load Heat Dissipation																						
BTU/Hr. (x1000)		20.5	20.5	27.0	27.0	23.8	23.8	23.8	26.7	26.7	30.9	30.9	30.9	30.9	30.9	32.9	32.9	38.01	38.01	38.01	38.01	38.01
KCal/Hr. (x1000)		5.18	5.18	6.81	6.81	5.99	5.99	5.99	6.74	6.74	7.78	7.78	7.78	7.78	7.78	8.29	8.29	9.58	9.58	9.58	9.58	9.58
Inverter Efficiency (Full Load)	%	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94

[1] *Easily adjustable for 380 or 415 VAC Inut/Output, 50 or 60 Hz*

[2] *End of Discharge based on 1.67 V/cell. Maximum Amps based on 1.8 V/cell*

Physical Dimensions and Weights