

Powerware 9910 iSeries UPS Solutions

Features

- ▶ Exclusive multi-year warranty offered through IBM
- ▶ Compact, rackmount design of the P30, P33, and P64 preserves valuable rack space
- ▶ Preconfigured design guarantees out-of-box usability with IBM equipment
- ▶ Extended Battery Modules (EBMs) prolong battery runtimes
- ▶ Black design matches iSeries and other IBM servers
- ▶ Bundled communication cable provides pSeries system interface
- ▶ ABM® technology extends battery service life
- ▶ Bundled power management software ensures data integrity

Ideal applications for:

- ▶ Banking
- ▶ Retail
- ▶ Telecommunications
- ▶ Healthcare
- ▶ Life Sciences
- ▶ Financial Markets



Powerware's 9910 iSeries UPS Solutions ensure high availability and uptime for IBM equipment.

Designed to help preserve your investment by extending the performance of your mission-critical equipment, an Uninterruptible Power System (UPS) can be the single most cost-effective measure you can take to assure system safety, reliability and uptime. If your business depends on an iSeries (i5) and AS400 server, it must be protected by a Powerware 9910 iSeries UPS.

Specifically designed, engineered and approved for IBM iSeries equipment, these UPS solutions incorporate the latest technologies and state-of-the-art features, as well as include necessary

iSeries communication cables for out-of-box usability.

Powerware 9910 iSeries UPSs offer the reliability and protection of an online design, ensuring continuous, clean power to the connected load. These UPSs incorporate Advanced Battery Management (ABM) to increase the overall life of your UPS batteries. To preserve data integrity, the Powerware 9910 iSeries UPSs are bundled with award-winning power management software which feature extensive control and monitoring capabilities.

9910 iSeries UPS Models

IBM Feature Code	Powerware Part #	Description	Additional EBMs	Powerware EBM Part Number	Maximum # of EBM per UPS
9910-P10	05146002-3901	9125 1000 VA	9910-6604	05146502-3901	2
9910-P15	05146005-3901	9125 1500 VA	9910-6605	05146074-3901	4
9910-P30	103002723-3901	9125 3000 VA	9910-6640	103002836-3901	4
9910-P33	05147155-3902	5125 3000 VA	9910-6607	05147156-3902	4
9910-P64	103003635-3901	9125 6000 VA	9910-6641	103003387-3901	4

Use with iSeries

IBM Feature Code	iSeries Model
9910-P10	250, 270, 800, 810
9910-P15	250 or 270 with Expansion, 520, 800 or 810 with Expansion (7116)
9910-P30	570, 720, 820, 825, 830, SB2
9910-P33	570, 720, 820, 825, 830, SB2
9910-P64	720, 730, 820, 825, 830, SB2

IBM Server *Proven*

POWERWARE

Powerware 9910 iSeries UPS Overview



Occupying just 2U (3.5 inches) when used in a rackmount configuration, the P10, P15, and P30 offer premium protection with its online design.

Powerware 9125, 1000 VA (P10), 1500 VA (P15), and 3000 VA (P30)

- ▶ Online topology delivers the highest level of reliability and protection by completely isolating equipment from all power disturbances
- ▶ Advanced Battery Management (ABM®) technology doubles battery service life and optimizes recharge time
- ▶ Extended Battery Modules (EBMs) prolong battery runtimes. Add up to 2 EBMs to the 1000 VA model (P10) and up to 4 EBMs to the 1500 VA model (P15) and 3000 VA (P30) models. Each EBM occupies just 2U of rack space
- ▶ Load segments allow scheduled shutdowns and maximize battery backup times



With its compact 2U design, the P18 and P33 preserve valuable rack space. Even more, its high power density design enables more equipment to be protected.

Powerware 5125 3000 VA (P33)

- ▶ Highest density UPS available in the market in a compact 2U rack height. The 1500 VA model (P18) delivers 1340 watts of power; the 3000 VA model (P33) delivers 2700 watts of power
- ▶ Advanced Battery Management (ABM®) technology doubles battery service life and optimizes recharge time
- ▶ Extended Battery Modules (EBMs) and load segments prolong battery runtimes. Add up to 4 EBMs, each occupies only 2U of rack space
- ▶ P33 MultiServer Card adapts to growing configuration needs by providing up to three server connections



Extended battery runtime capabilities, superior battery technology and enhanced reliability, while still occupying only 3U of valuable rack space, are key benefits of the P64. (P64 shown with EBM.)

Powerware 9125, 6000 VA (P64)

- ▶ Double-conversion, online technology delivers the highest level of reliability and protection, completely isolating equipment from all power disturbances
- ▶ Advanced Battery Management (ABM®) technology doubles battery service life and optimizes recharge time
- ▶ Extended Battery Modules (EBMs) prolong battery runtimes. Add up to 4 EBMs to the 6000 VA model (P64). Each EBM occupies just 3U of rack space
- ▶ Choice of rackmount or tower installation delivers deployment flexibility

Powerware Recommends

Software	Connectivity	Service	System Solutions
Powerware Software CD  Suite includes: > LanSafe v.5 > Powervision 30-day trial > Foreseer demonstration	> Expansion Chassis  > Connectivity Cards: Web/SNMP/xHub, ConnectUPS-M, USB, Relay Cord Modbus	Enhance your power system maintenance coverage.  > Gold Plan > Gold Plan Plus	> Extended Battery Modules  > Power Distribution Modules > Seismic Kit

To find out more, visit us at www.oem.powerware.com/ibm-ups/ehome.asp or contact us at 1-800-925-4426.

Model Selection Guide

IBM FC	Model	Power Out (VA/Watts)	Input Voltage (Vac)	Output Voltage (Vac)	Input Connection	Output Connections	Jumper Cords	Dimensions H x W X D (mm)	Unit weight (kg)
9910-P10	PW9125	1000/700	120	120	5-15P	(6) 5-15R	(3) IEC-320-C13 to 5-15P	89 x 432 x 493	15
9910-P15	PW9125	1500/1050	120	120	5-15P	(6) 5-15R	(3) IEC-320-C13 to 5-15P	89 x 432 x 493	23
9910-P30 & FC 6570	PW9125	3000/2100	208-240 & 120	208-240 & 120	L6-20P	(2) 5-15R, (2) L6-15R (4) 6-15/6-20R	-	P30: 89 x 432 x 601	37
9910-P33 ³	PW5125	3000/2700	208-240 ⁴	208-240 ⁵	L6-20P	(9) IEC-320-C13, (1) IEC-320-C19 ⁶	(7) IEC-320-C13 to IEC-320-C14 (1) IEC-320-C19 to IEC-320-C20	89 x 445 x 610	37
9910-P64 & FC 6571	PW9125	6000/4200	208-240 & 120	208-240 & 120	L6-30P	(2) 5-15R, (4) 6-15/6-20R, (2) L6-15R, (1) L6-30R	-	P64: 219 x 432 x 636 6571: 1334 x 432 x 629	141

1. Can support a maximum of 2 rack devices. 2. Power cords are contained in Power Cord Kit box, IBM FC 9830, IBM PN 38P9306. 3. Can support a maximum of 1 Rack PDB. 4. User-selectable for 200, 208, 220, 230, 240 Vac. 5. Output will be the same as the selected input. 6. IEC-320-C19 receptacles can power Rack PDBs when using IBM PN 53P1968, IEC-320-C20 to IEC-309 CEE17, 2-pole, 3-wire, 32A receptacle power cord, 1.8 meters long. 7. Consists of two Power Cord Kits (IBM FC 9830, IBM PN 38P9306).

9910 iSeries UPS Technical Specifications¹

9125 = P10, P15, P30, P64; 5125 = P33

Electrical		
Allowable input range	5125, 9125	120 or 208/240 Vac, model dependent
Input power factor	5125, 9125	>.95 typical .90 typical @ full load
Output wave form	All Models	Sine wave
Output regulation	5125, 9125	±5% ±3%
Output voltage THD	5125, 9125	5%, linear load
Load crest ratio	5125, 9125	3:1
Battery		
Battery type	All Models	Sealed, maintenance-free lead-acid
Recharge time	9125	2 hours to 80% capacity
	5125	<3 hours to 90% capacity
Diagnostics	All Models	Automatic online test without exposing the load
General		
Architecture	5125	Line-interactive
	9125	True online double-conversion
User interface	9125	8 LEDs indicating system status
	5125	5 LEDs indicating system status

Diagnostics	All Models	Full system self-test on power up
UPS bypass	All Models	Automatic on overload or UPS failure
Replacement modules	5125	Hot-swappable batteries and electronics
	9125	Hot-swappable batteries
Communications	5125	3 Serial ports
	9125	1 Serial port
Networks	5125, 9125	Connectivity via Ethernet is an orderable option, FC 2934
Safety	9125	UL, CSA, NOM
	5125	UL 1778, CSA-C22.2 No. 107.1; EN 50091-1, EN 60950
Environmental		
Audible noise	5125	<45 dBA typical
	9125	<55 dBA typical
Ambient operating	9125	0°C to 40°C (32°F to 104°F)
	5125	10°C to 40°C (50°F to 104°F)
Relative humidity	9125	5 to 90% non-condensing
	5125	5 to 95% non-condensing
EMC markings	5125	FCC Class A
	9125	FCC Class B and VCCI Class II

1. For additional specifications, see the Model Selection Guide. Due to continuing product improvement programs, specifications are subject to change without notice.

Battery Runtime Charts¹ (in minutes)

Powerware 9125 1000 VA (P10)

Load in VA	Load in watts	Standard	+1 EBM	+2 EBM
200	140	37	271	546
400	280	19	142	278
700	490	9	72	156
850	595	6	59	124
1000	700	5	48	104
Tower width (mm)	–	89	178	267
Rack height (U)	–	2	4	6

Powerware 9125 1500 VA (P15)

Load in VA	Load in watts	Standard	+1 EBM	+2 EBM	+3 EBM	+4 EBM
400	280	46	177	331	501	682
700	490	25	96	180	272	370
850	595	21	76	142	214	292
1000	700	16	61	115	174	237
1250	875	11	46	87	131	179
1500	1050	8	37	70	106	144
Tower width (mm)	–	89	178	267	356	445
Rack height (U)	–	2	4	6	8	10

Powerware 9125 3000 VA (P30)

Load in VA	Load in watts	Standard	+1 EBM	+2 EBM	+3 EBM	+4 EBM
	875	16	57	90	150	200
	1050	13	55	72	120	160
	1750	7	28	48	68	88
	2100	5	25	38	54	70
Rack height (U)	–	2	4	6	8	10

Powerware 5125 Rackmount 3000 VA (P33)

Load in VA	Load in watts	Standard	+1 EBM	+2 EBM	+3 EBM	+4 EBM
600	540	48	151	257	365	473
1500	1350	15	61	103	146	190
2400	2160	7	37	62	89	115
3000	2700	5	25	49	69	90
Rack height (U)	–	2	4	6	8	10
Depth (mm)	–	610	610	610	610	610

Powerware 9125 6000 VA (P64)

Load in VA	Load in watts	Standard	+1 EBM	+2 EBM	+3 EBM	+4 EBM
	1400	37	107	186	271	361
	2100	24	70	121	178	237
	2800	19	49	85	125	167
	3500	13	37	65	96	128
	4200	10	30	52	76	102
Rack height (U)	–	5	8	11	14	17

1. Battery runtimes are approximate and may vary with equipment, configuration, disk access, battery age, temperature, etc. Note: EBM part number information is located on page 1 of this data sheet.

Powerware

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pSeries NA
Revision 06/04

EUROPE/MIDDLE EAST/AFRICA
Denmark: 45.3677.7910
Finland: 358.9.452.661
France: 33.1.60.12.77.23
Germany: 49.7841.6660
Italy: 39.02.66.04.05.40
Norway: 47.23.03.65.50
Sweden: 46.8.598.940.00
United Kingdom: 44.1753.608.700

ASIA PACIFIC
Australia/NZ: 612.9878.5000
China: 86.21.6350.0606
HK/Korea/Taiwan: 852.2745.6682
India: 91.11.2649.9414 to 18
Singapore/SEA: 65.6829.8888

LATIN AMERICA
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Brazil: 55.11.3616.8500
México: 5255.9171.7777

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