

POWERWARE iSeries UPS Selector North America

iSeries Models:
January 20, 2003
Announcement



Server Information	9406-iSeries 800	9406-i810	9406-iSeries 800 or i810 & FC 7116	9406-i825	9406-i870 or i890 & 9094	
Qty/Plug Type	1/5-15P ¹	1/5-15P ¹	2/5-15P ¹	1/6-15P ²	1/IEC309, 60A, 460R9W & 1/L6-15P ⁷	
Power Draw VA/W	421/400	421/400	789/750	1540/1463	7,305 - 11,090W	
With Server / & with Monitor	521/500 ³	521/500 ³	889/850 ³	1640/1563 ³	Three-phase	
Model 9910- Powerware Model No.	P10 9125 1000	P10 9125 1000	P15 9125 1500	EP5 Prestige 9 3000	EP8 Prestige 9 6000	Contact Powerware
Powerware Part No.	05146002-3901	05146002-3901	05146005-3901	21H1572-AS & 6562	21H1573-AS & 6566	
VA/W	1000/700	1000/700	1500/1050	3000/2000	6000/4000	
Voltage	120V in/out	120V in/out	120V in/out	208V in 120/208V out	208V in 120/208V out	
Line Cord Plug Type	5-15P ¹	5-15P ¹	5-15P ¹	L6-30P ⁴	L6-30P ⁴	
Outlet Qty/Type	6/5-15R	6/5-15R	6/5-15R	2/5-15R, 2/6-15R, 1/C19	4/5-15R, 2/6-15R, 1/L6-30R, 3/C19	
Load Power Cords	3/C13 to 5-15P	3/C13 to 5-15P	3/C13 to 5-15P	1/C13 to 5-15P, 2/C13 to 6-15P, 1/C19 to C20	1/C13 to 5-15P, 2/C13 to 6-15P, 1/C19 to C20	
Interface Cable	1/UPS to AS/400 Interface cable kit connects to iSeries "J14" or "UPS" port					
Battery Runtime (minutes)						
With Server & Monitor	8	8	13	9	20	
9910 UPS Options						
Extended Battery (Part No) ⁶	05146502-3901	05146502-3901	05146074-3901	101615015-040	101615015-040	
Web/Network Card	103002974-5501 ⁵	103002974-5501 ⁵	103002974-5501 ⁵	101690002-001 ⁵	101690002-001 ⁵	
Other UPS Models						
Powerware Model	9125-1000 (white)	9125-1000(white)	9125-1500 (white)	Prestige 9 3000	Prestige 9 6000	
Powerware Part No.	05146002-5501	05146002-5501	05146005-5501	Varies	Varies	
VA/W	1000/700	1000/700	1500/1050			
Voltage	120V	120V	120V			
Plug Type	5-15P	5-15P	5-15P			
Outlet Qty/Type	6/5-15R	6/5-15R	6/5-15R			

¹ IBM power cord Feature Code 1412, plug type 4. If selecting other plug types (5, 6, 10, 18, 19, 22, 23, 24, 25, 32 or 34) you will use Load Power Cords included with UPS to connect server to UPS.

² IBM power cord Feature Code 1410, plug type 5. If selecting other plug types (6, 10, 18, 19, 22, 23, 24, 25, 32 or 34) you will use Load Power Cords (type C13 to 6-15P) included with EP5 PowerPass Distribution Module (PPDM) FC 6562 to connect server to UPS. ³ Includes base monitor/console. ⁴ Corresponds to IBM plug type 12. ⁵ Replaces AS/400 interface card and cable.

⁶ Extended Battery Module (EBM) Optional. See runtime chart on next page for extended runtimes. ⁷ IBM power cord Feature Code 1453 or 1454, plug type 10.

For more information, call Mike Sermersheim at 415-898-5816.

www.oem.powerware.com/ibm-ups/as400.html

POWERWARE[®] iSeries UPS Selector

Expansion Towers

Expansion Unit Information	0558 and 5088 PCI-X	5094	0595 and 5095 PCI-X	8094 base I/O	5294 1.8M I/O Rack
Qty/Plug Std. Type	2/C13 ¹	1/L6-15P ²	1/5-15P ³ , 2/5-15P ^{3,4}	1/L6-15P ² , 2/L6-15P ^{2,5}	1/L6-15P ² , 2/L6-15P ^{2,5}
Qty/Inlet Type	2/C14	1/C20	1/C14, 2/C14 ⁴	1/C20, 2/C20 ⁵	1/C20, 2/C20 ⁵
Power Draw VAW	370/350	1,100/990	358/340	1,100/990 2,200/1980 ⁵	1,100/990 2,200/1980 ⁵
Comments	For 5094, 9094, 5074, 9079 or 0551	For i870 and i890	For 270, i800, i810, 820, i825, 830, 840, i870 and i890	For i870 and i890	For i825, i870 and i890
VAC Range	200-240	200-240	100-127/200-240	200-240	200-240

Extended Runtimes

UPS	# of EBMs⁶	iSeries 800 or i810	iSeries 800 or i810 & FC 7116	i825	i825 with FC 0595 or 5095	i825 with FC 5294⁷
	Watts	400	750	1,463	1,803	2,453
P10	Standard	8	-	-	-	-
	+1	70	-	-	-	-
	+2	150	-	-	-	-
P15	Standard	24	13	-	-	-
	+1	95	55	-	-	-
	+2	175	102	-	-	-
	+3	270	155	-	-	-
	+4	365	210	-	-	-
EP5	Standard	30	23	9	6	-
	+1	70	55	22	16	-
	+2	115	91	36	27	-
EP8	Standard	60	45	20	16	10
	+1	81	66	32	29	19
	+2	103	88	40	38	27
	+3	125	110	48	47	33
	+4	150	140	57	57	39

¹ IEC-320-C13 to IEC-320-C14 (10 Amp) rack cords powered from 5094, 9094; or, 0551 rack. ² IBM power cord plug type 10. Plug type 10 and other plug types 34 (FC 1455 or 1456) or 5 (FC 1451 or 1452) will use Load Power Cords included with EP5 or EP8 PowerPass Distribution Module (PPDM) FC 6562 and FC 6567. ³ IBM power cord plug type 4. ⁴ Redundant power option Feature Code 5138. ⁵ Two FC 5074 and/or FC 9094 in the FC 8094 base I/O expansion unit or FC 5294 1.8M I/O rack. ⁶ Extended Battery Module (EBM) information. P10 EBM is FC 6604 (04N6625) PW PN 05146502-3901. Min: 0, Max: 2. P15 EBM is FC 6605 (04N6626) PW PN 05146074-3901. Min: 0, Max: 4. EP5 EBM is FC 6603 (21H8445) PW PN 101615015-040. Min: 0, Max: 2. EP8 EBM is FC 6603 (21H8445) PW PN 101615015-040. Min: 0, Max: 4. ⁷ One FC 5074 or FC 9094 in the FC 5294 1.8M I/O rack.

Powerware iSeries (formerly AS/400) UPS Solutions

iSeries Model	Configurator UPSs (Default in Bold)		Server Information		
	Powerware	Best	Server VA	Server Watts	Server Plug
Tower					
270	P10 , P15	B34, B36	421	400	5-15P
270 w/7104	P15 , EP5	B36, B42	789	750	(2) 5-15P
820	P15 , EP5, EP8	B36, B42	862	840	5-15P
830, SB2	EP5 , EP8	B42, B46	1684	1600	L6-15P
840, SB3 with 9079 Base I/O Tower	EP8	B46	3626	3400	L6-30P & L6-15P
150	P10	B34	314	182	5-15P
170, 250	P10	B34	569	450	5-15P
170, 250 w/Exp.	P15	B36	815	782	(2) 5-15P
Rack					
270 w/FC 0551, 0121	P15	B36	789	750	(2) 5-15P
270 w/FC 0551, 0121, & 5160 (PDU)*	P15	B36	789	750	(2) 5-15P
270 w/FC 0551, 0121, 0122	(2) P15 , EP5	(2) B36, B42	1578	1500	(4) 5-15P
270 w/FC 0551, 0121, 0122 & 5160 (PDU)*	(2) P15 , EP5	(2) B36, B42	1578	1500	(4) 5-15P
830 w/FC 0550	EP5 , EP8	B42, B46	1684	1600	6-15P
830 w/FC 0550 & 5160 (PDU)*	EP5 , EP8	B42, B46	1684	1600	6-15P

*PDU powered from separate input (Mains) receptacle. If PDU powered from UPS, select EP8 or B42.

Expansion Tower Information			
Optional Expansion Towers	Expansion Tower VA	Expansion Tower Watts	Expansion Tower Plug
2105 - F10	3500	3000	L6-30P
2105 - F20	5000	5000	3 - Phase
2105 w/Exp.	12000	12000	3 - Phase
5033	326	310	5-15P
5034, 5035	1083	1029	6-15P
5065	1100	990	L6-20P
5066 w/(2) 5065	2200	1980	(2) L6-20P
5070, 5080	1070	1065	6-15P
5071, 72, 73, 77	1170	1065	L6-15P
5074	1100	990	L6-15P
5075	316	300	5-15P
5079	2200	1980	(2) L6-15P
5081, 5082, 5083	1070	1065	L6-15P
8079 w/9079 & 5074	2200	1980	(2) L6-15P
0578 PCI Expansion Unit	400	350	(2) Rack Install
0551 iSeries Rack	0	0	
5074 w/ 5078	1500	1350	6-15P
0551 w/9079 & 5160 (#1424/6)	1100	990	6-15P & L6-30P*
0551 w/5074 & 5160 (#1424/6)	1100	990	6-15P & L6-30P*
5074 Lower Unit in Rack (#0123)	1100	990	6-15P
9079 Lower Unit in Rack (#0125)	1100	990	6-15P

*5160 PDU (#1424/1426)

UPS	IBM Part No.	Powerware Part No.	Capacity VA	Capacity Watts	Output Voltage	Standard Runtime Full	Standard Runtime Half	Receptacles (Qty/Type)	Input Connection	Equipment Jumper Cords
P10	04N6375	05146002-3901	1000	700	120V	5	15	(6) 5-15R	5-15P (120V)	(3) IEC-320-C13 to 5-15P
P15	04N6373	05146005-3901	1500	1050	120V	9	21	(6) 5-15R	5-15P (120V)	(3) IEC-320-C13 to 5-15P
B34	04N6035	06201000RUBKB34	1000	700	120V	9	24	(6) 5-15R	5-15P (120V)	(3) IEC-320-C13 to 5-15P
B36	04N6037	06201500RUBKB36	1500	1050	120V	8	24	(6) 5-15R	5-15P (120V)	(3) IEC-320-C13 to 5-15P
EP5 with 6562* 208V	21H1572 w/17G1793*	M421H1572-AS	3000	2000	208/120V	7	14	(2) 5-15R, (2) 6-15R, (1) IEC-320-C19	L6-30P (208V)	(1) IEC-320-C13 to 5-15P, (2) IEC-320-C13 to 6-15P, (1) IEC-320-C19 to C20
EP5 with 6563* 240V	21H1572 w/17G1794*	M421H1572-AS	3000	2000	240/120V	7	14	(2) 5-15R, (2) 6-15R, (1) IEC-320-C19	L6-30P (240V)	(1) IEC-320-C13 to 5-15P, (2) IEC-320-C13 to 6-15P, (1) IEC-320-C19 to C20
EP8 with 6566* 208V	21H1573 w/04N6622*	M821H1573-AS	6000	4000	208/120V	5	14	(4) 5-15R, (2) 6-15R, (1) L6-30R, (3) IEC-320-C19	L6-30P (208V)	(1) IEC-320-C15 to 5-15P, (2) IEC-320-C13 to 6-15P, (1) IEC-320-C19 to C20
B42	04N6040	0650C060HBDDFCO2	3000	2100	208/120V	8	24	(2) 5-15R, (6) 6-15R, (2) L6-30R	14-50P (200-240V)	(2) IEC320-C13 to 5-15P, (1) IEC320-C13 to 6-15P, (4) IEC320-C19 to 6-15P
B46	04N6617	0650C060HBDDFCO6	6000	4200	208/120V	8	24	(2) 5-15R, (6) 6-15R, (2) L6-30R	14-50P (200-240V)	(2) IEC-320-C13 to 5-15P, (1) IEC-320-C13 to 6-15P, (4) IEC-320-C19 to 6-15P

*PowerPass

Battery Runtime Information (in minutes)

UPS	# of Extended Battery Modules (EBMs)	170, 250 or 270		270 w/7104; FC 0551, 0121 w/270; 270 & 5161/2 (PDU)	FC 0551 w/270; FC 0551, 0121, 0122 w/270; FC 0551, 0121, 0122 w/270 & 5161/2 (PDU)	820	830; FC 0550 w/830 & 5161/2 (PDU)	FC 0550 w/830	840	1000W	1500W	2000W	2500W
		150	170, 250 or 270	170, 250 w/expansion	270 w/7104; FC 0551, 0121 w/270; 270 & 5161/2 (PDU)	FC 0551 w/270; FC 0551, 0121, 0122 w/270; FC 0551, 0121, 0122 w/270 & 5161/2 (PDU)	820	830; FC 0550 w/830 & 5161/2 (PDU)	FC 0550 w/830	840	1000W	1500W	2000W
P10	Standard	20	8	-	-	-	-	-	-	-	-	-	-
	+1	145	70	-	-	-	-	-	-	-	-	-	-
	+2	280	150	-	-	-	-	-	-	-	-	-	-
P15	Standard	50	24	13	13	14 ³	10	-	-	9	-	-	-
	+1	180	95	55	55	50 ³	45	-	-	38	-	-	-
	+2	340	175	102	102	100 ³	85	-	-	72	-	-	-
	+3	520	270	155	155	150 ³	128	-	-	110	-	-	-
	+4	690	365	210	240	200 ³	175	-	-	150	-	-	-
B34	Standard	35	14	-	-	-	-	-	-	-	-	-	-
	+1	75	55	-	-	-	-	-	-	-	-	-	-
	+2	115	95	-	-	-	-	-	-	-	-	-	-
B36	Standard	55	24	13	13	10 ³	9	-	-	9	-	-	-
	+1	104	68	40	40	39 ³	35	-	-	35	-	-	-
	+2	153	118	68	68	68 ³	61	-	-	61	-	-	-
EP5	Standard	40	30	23	23	10	17	9	9	15	10	6	-
	+1	90	70	55	55	28	40	22	22	35	24	16	-
	+2	150	115	91	91	42	70	36	36	58	40	27	-
EP8	Standard	120	60	45	45	22	36	20	20	6	30	22	14
	+1	-	81	66	66	34	50	32	32	12	44	34	24
	+2	-	103	88	88	45	65	40	40	18	58	45	32
	+3	-	125	110	110	50	84	48	48	24	72	56	39
	+4	-	-	-	-	67	95	57	57	30	87	67	47
B42	Standard	135	55	30	30	13	27	13	13	-	27	15	8
	+1	-	115	75	75	32	67	32	32	-	67	37	24
	+2	-	-	-	-	48	107	48	48	-	107	58	43
	+3	-	-	-	-	68	147	68	68	-	147	80	58
	+4 ¹	-	-	-	-	87	187	87	87	-	187	102	75
B46	Standard	-	-	-	-	32	64	32	32	12	64	38	24
	+1	-	-	-	-	52	104	52	52	19	104	69	40
	+2	-	-	-	-	70	144	70	70	26	144	83	59
	+3 ²	-	-	-	-	88	184	88	88	33	184	103	83
	+4 ²	-	-	-	-	107	224	107	107	40	224	125	103

Note: All runtimes assume system load PLUS a 50W display.

1. Requires additional Power Module and Battery Enclosure. 2. Requires additional Battery Enclosure. 3. Requires (2) P15 or B36.

Battery Information

Used With	IBM Feature Code	IBM Part Number	Powerware Part Number
P10	6604	04N6625	05146502-3901
P15	6605	04N6626	05146074-3901
B34	6619	04N6164	0620BAT1000RUBKI
B36	6620	04N6165	0620BAT1500RUBKI
EP5	6603	21H8445	101615015-040
EP8	6603	21H8445	101615015-040
B42	6618	04N6163 (2 ea)	ASY-0529 (2 ea)
B46	6618	04N6163 (2 ea)	ASY-0529 (2 ea)

B42, B46 Options Description

Description	IBM Feature Code	IBM Part Number	Powerware Part Number
Power Module	6616	04N6042	ASY-0567
Battery Enclosure	6624	04N6167	GPG-0101
Battery String	6618	04N6163 (2 ea)	ASY-0529 (2 ea)