



IBM Y power cords and PDU line cords now available for System x servers

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At a glance

The new optional Y power cords and PDU line cords are now available for use in IBM® System x® and BladeCenter® servers.

Overview

In Japan, the product name is IBM SmarterCloud Power Cords.

New IBM Y power cords and PDU line cords for 1U and 2U IBM System x servers

Power cords double the number of devices that can be connected to a PDU.

PDU line cords support clients who need lower amperage PDU solutions.

Solution capabilities

Additional power cord options expand flexibility in configuring IBM solutions.

New IBM Y power cords are available for clients interested in doubling the number of devices that can be connected to a PDU.

Key prerequisites

None

Planned availability date

March 29, 2013

Product positioning

Y Power cords double number of devices that can be connected to PDU. They offer a more effective utilization of 1U PDUs with higher voltages.

PDU line cords support clients requiring lower amperage PDU solutions.

Product number

The following are features already announced for the 3331 machine type:

Description	Type	Model	Feature	SEO	Part Number
Power Cords					
1.2m, 10A/100-250V, 2 Short C13s to Short C14 Rack Power Cable	3331	HC1	A3SS	47C2487	47C2487
2.5m, 10A/100-250V, 2 Long C13s to Short C14 Rack Power Cable	3331	HC1	A3ST	47C2488	47C2488
2.8m, 10A/100-250V, 2 Short C13s to Long C14 Rack Power Cable	3331	HC1	A3SU	47C2489	47C2489
4.1m, 10A/100-250V, 2 Long C13s to Long C14 Rack Power Cable	3331	HC1	A3SV	47C2490	47C2490
1.2m, 16A/100-250V, 2 Short C13s to Short C20 Rack Power Cable	3331	HC1	A3SW	47C2491	47C2491
2.5m, 16A/100-250V, 2 Long C13s to Short C20 Rack Power Cable	3331	HC1	A3SX	47C2492	47C2492
2.8m, 16A/100-250V, 2 Short C13s to Long C20 Rack Power Cable	3331	HC1	A3SY	47C2493	47C2493
4.1m, 16A/100-250V, 2 Long C13s to Long C20 Rack Power Cable	3331	HC1	A3SZ	47C2494	47C2494
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	3331	HC1	A3TC	47C2495	47C2495
4.3m, 16A/380-415V, E45d/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	3331	HC1	A3TD	47C2496	47C2496
4.3m, 32A/230V, E45d to IEC 309 P+N+G (non US) Line Cord	3331	HC1	A3T0	47C2497	47C2497
DPI Three Phase 60A/208V Enterprise C13 PDU Plus	3331	HC1	A3TF	44X3193	44X3193

The following are features already announced for the 1410, 3331, 1723, 1754, 7197, 7200, 7825, 9307, 9308, 9360, 9361, 9362, 9363 machine types:

Description	MT	Model	Feature
1.2m, 10A/100-250V, 2 Short C13s to Short C14 Rack Power Cable	1410	HEA HEB HPA HPB RC2 RC4	A3SS
1.2m, 10A/100-250V, 2 Short C13s to Short C14 Rack Power Cable	3331	HC1	
1.2m, 10A/100-250V, 2 Short C13s to Short C14 Rack Power Cable	7200	RC4	
2.5m, 10A/100-250V, 2 Long C13s to Short C14 Rack Power Cable	1410	HEA HEB HPA HPB RC2 RC4	A3ST
2.5m, 10A/100-250V, 2 Long C13s to Short C14 Rack Power Cable	3331	HC1	
2.5m, 10A/100-250V, 2 Long C13s to Short C14 Rack Power Cable	7200	RC4	
2.8m, 10A/100-250V, 2 Short C13s to Long C14 Rack Power Cable	1410	HEA HEB HPA HPB RC2 RC4	A3SU
2.8m, 10A/100-250V, 2 Short C13s to Long C14 Rack Power Cable			

Power Cable	3331	HC1	
2.8m, 10A/100-250V, 2 Short C13s to Long C14 Rack			
Power Cable	7200	RC4	
4.1m, 10A/100-250V, 2 Long C13s to Long C14 Rack			
Power Cable	1410	HEA	A3SV
		HEB	
		HPA	
		HPB	
		RC2	
		RC4	
4.1m, 10A/100-250V, 2 Long C13s to Long C14 Rack			
Power Cable	3331	HC1	
4.1m, 10A/100-250V, 2 Long C13s to Long C14 Rack			
Power Cable	7200	RC4	
1.2m, 16A/100-250V, 2 Short C13s to Short C20 Rack			
Power Cable	1410	HEA	A3SW
		HEB	
		HPA	
		HPB	
		RC2	
		RC4	
1.2m, 16A/100-250V, 2 Short C13s to Short C20 Rack			
Power Cable	3331	HC1	
1.2m, 16A/100-250V, 2 Short C13s to Short C20 Rack			
Power Cable	7200	RC4	
2.5m, 16A/100-250V, 2 Long C13s to Short C20 Rack			
Power Cable	1410	HEA	A3SX
		HEB	
		HPA	
		HPB	
		RC2	
		RC4	
2.5m, 16A/100-250V, 2 Long C13s to Short C20 Rack			
Power Cable	3331	HC1	
2.5m, 16A/100-250V, 2 Long C13s to Short C20 Rack			
Power Cable	7200	RC4	
2.8m, 16A/100-250V, 2 Short C13s to Long C20 Rack			
Power Cable	1410	HEA	A3SY
		HEB	
		HPA	
		HPB	
		RC2	
		RC4	
2.8m, 16A/100-250V, 2 Short C13s to Long C20 Rack			
Power Cable	3331	HC1	
2.8m, 16A/100-250V, 2 Short C13s to Long C20 Rack			
Power Cable	7200	RC4	
4.1m, 16A/100-250V, 2 Long C13s to Long C20 Rack			
Power Cable	1410	HEA	A3SZ
		HEB	
		HPA	
		HPB	
		RC2	
		RC4	
4.1m, 16A/100-250V, 2 Long C13s to Long C20 Rack			
Power Cable	3331	HC1	
4.1m, 16A/100-250V, 2 Long C13s to Long C20 Rack			
Power Cable	7200	RC4	
4.3m, 32A/230V, E45d to IEC 309 P+N+G (non-US)			
Line Cord	3331	HC1	A3T0
4.3m, 32A/230V, E45d to IEC 309 P+N+G (non-US)			
Line Cord	7197	RC1	
4.3m, 32A/230V, E45d to IEC 309 P+N+G (non-US)			
Line Cord	7825	RC1	
Description	MT	Model	Feature
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	1410	HEA	A3TC
		HEB	
		HPA	

					HPB
					RC2
					RC4
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	3331	HC1			
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	7200	RC4			
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	9307	RC2			
					RC4
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	9308	RC4			
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	9360	RC4			
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	9361	RC4			
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	9362	RC4			
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	9363	RC4			
4.3m, 16A/380-415V, E45d/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	3331	HC1	A3TD		
4.3m, 16A/380-415V, E45d/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	7197	RC1			
4.3m, 16A/380-415V, E45d/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	7825	RC1			
DPI Three Phase 60A/208V Enterprise C13 PDU Plus (US)	3331	HC1	A3TF		
DPI Three Phase 60A/208V Enterprise C13 PDU Plus (US)	9363	RC4			
VMware on System x with IBM SmartCloud™ Entry	1723	HC1	A39S		
	1754	HC3			

OPTION

Description	Part number
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NOTE: The following Pseudo part numbers cannot be ordered as stand-alone parts and can only be ordered using configurator.

The following are Pseudo options.

Power Cords

1.2m, 10A/100-250V, 2 Short C13s to Short C14 Rack Power Cable	47C2498
2.5m, 10A/100-250V, 2 Long C13s to Short C14 Rack Power Cable	47C2499
2.8m, 10A/100-250V, 2 Short C13s to Long C14 Rack Power Cable	47C2500
4.1m, 10A/100-250V, 2 Long C13s to Long C14 Rack Power Cable	47C2501
1.2m, 16A/100-250V, 2 Short C13s to Short C20 Rack Power Cable	47C2502
2.5m, 16A/100-250V, 2 Long C13s to Short C20 Rack Power Cable	47C2503
2.8m, 16A/100-250V, 2 Short C13s to Long C20 Rack Power Cable	47C2504
4.1m, 16A/100-250V, 2 Long C13s to Long C20 Rack Power Cable	47C2505
4.3m, 16A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	47C2506
4.3m, 16A/380-415V, E45d/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	47C2507
4.3m, 32A/230V, E45d to IEC 309 P+N+G (non-US) Line Cord	47C2508

PDU Cords

DPI Three-phase 16A/380-4150V C13 Enterprise PDU	47C2509
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(International) DPI Three-phase 16A/380-4150V C13 Enterprise PDU + (International)	47C2510
DPI Three-phase 16A/380-4150V C19 Enterprise PDU (International)	47C2511
Combo PDU & 3p, 16A/380-415V, IEC 309 3P+N+G LC	47C2512
C13 PDU & 3p, 16A/380-415V, IEC 309 3P+N+G LC	47C2513
IDPX Three-phase 16A/380-415V Enterprise C13 PDU (International)	47C2514
IDPX Three-phase 16A/380-415V Enterprise C13 PDU + (International)	47C2515
AEM C13 PDU & 3p, 16A/380-415V, E45d to IEC309 3P+N+G LC	47C2516
IDPX Single-phase 32A/230V Enterprise C13 PDU (International)	47C2517
IDPX Single-phase 32A/230V Enterprise C13 PDU + (International)	47C2518
AEM C13 PDU & 1p, 32A/230V, E45d to IEC309 P+N+G(non-US) LC	47C2519
DPI Three Phase 60A/208V Enterprise C13 PDU Plus (US)	44X3191

Publications

An installation guide, and safety and warranty publications are shipped with each cord.

Services

Global Technology Services

IBM services include business consulting, outsourcing, hosting services, applications, and other technology management.

These services help you learn about, plan, install, manage, or optimize your IT infrastructure to be an on-demand business. They can help you integrate your high-speed networks, storage systems, application servers, wireless protocols, and an array of platforms, middleware, and communications software for IBM and many non-IBM offerings. IBM is your one-stop shop for IT support needs.

For details on available services, contact your IBM representative or visit

<http://www.ibm.com/services/>

For details on available IBM Business Continuity and Recovery Services, contact your IBM representative or visit

<http://www.ibm.com/services/continuity>

For details on education offerings related to specific products, visit

<http://www.ibm.com/services/learning/index.html>

Select your country, and then select the product as the category.

Technical information

Agency approvals

The IBM Y Power Cords and PDU Line Cords for System x Servers adhere to the following safety requirements:

- UL 60950-1:2007

- CSA C22.2 No. 60950-1-07

UPC Codes

Part number	UPC code
47C2487	8-83436-37593-1
47C2488	8-83436-37594-8
47C2489	8-83436-37595-5
47C2490	8-83436-37596-2
47C2491	8-83436-37597-9

Homologation

Certification may be required by law prior to making any connection. Contact an IBM representative or reseller for any questions.

Planning information

Customer responsibilities

This product is designated as customer setup. Customer setup instructions ship with the cords.

Cable orders

No cables required.

Packaging

The Y Power Cords and PDU cords are shipped in single packages.

Supplies

For end users

New Y power cords and PDU line cords can be purchased from dealers around the world.

Security, auditability, and control

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

IBM Electronic Services

Electronic Service Agent™ and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to IBM Systems customers. The IBM Electronic Service Agent tool is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent tool can help you stay focused on your company's strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with this tool can be monitored remotely around the clock by IBM Support all at no additional cost to you.

Now integrated into the base operating system of AIX® 5.3, AIX 6.1, and AIX 7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply

type "smitty esa_main", and select "Configure Electronic Service Agent ." In addition, ESA now includes a powerful web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent , refer to

<http://www.ibm.com/support/electronic>

The IBM Electronic Support portal is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. This portal enables you to gain easier access to IBM resources for assistance in resolving technical problems. The My Systems and Premium Search functions make it even easier for Electronic Service Agent tool-enabled customers to track system inventory and find pertinent fixes.

Benefits

Increased uptime: The Electronic Service Agent tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting and uploading system information to IBM Support. This can translate to less wasted time monitoring the "symptoms," diagnosing the error, and manually calling IBM Support to open a problem record. Its 24 x 7 monitoring and reporting mean no more dependence on human intervention or off-hours customer personnel when errors are encountered in the middle of the night.

Security: The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM . The Electronic Service Agent tool securely transmits either via the Internet (HTTPS or VPN) or modem, and can be configured to communicate securely through gateways to provide customers a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into a customer's system. System inventory information is stored in a secure database, which is protected behind IBM firewalls. It is viewable only by the customer and IBM . The customer's business applications or business data is never transmitted to IBM .

More accurate reporting: Since system information and error logs are automatically uploaded to the IBM Support center in conjunction with the service request, customers are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM , problem error data is run through a data knowledge management system and knowledge articles are appended to the problem record.

Customized support: Using the IBM ID entered during activation, customers can view system and support information in the "My Systems" and "Premium Search" sections of the Electronic Support website at

<http://www.ibm.com/support/electronic>

My Systems provides valuable reports of installed hardware and software using information collected from the systems by Electronic Service Agent . Reports are available for any system associated with the customer's IBM ID. Premium Search combines the function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledgebase. Using Premium Search and the Electronic Service Agent information that has been collected from your system, customers are able to see search results that apply specifically to their systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or visit

<http://www.ibm.com/support/electronic>

Terms and conditions

Field installable feature

Yes

Warranty period

One year for all power and PDU cords.

An IBM part or feature installed during the initial installation of an IBM machine is subject to a full warranty effective on the date of installation of the machine. An IBM part or feature that replaces a previously installed part or feature assumes the remainder of the warranty period for the replaced part or feature. An IBM part or feature added to a machine without replacing a previously installed part or feature is subject to a full warranty effective on its date of installation. Unless specified otherwise, the warranty period, type of warranty service, and service level of a part or feature are the same as those for the machine in which it is installed.

Customer setup

Yes

Machine code

No license terms apply.

Prices

For all local charges, contact your IBM representative or Business Partner. For additional price information, visit

<http://www-06.ibm.com/systems/jp/x/system/guide.shtml>

AP distribution

Country/Region	Announce	Announce date
AP IOT		
ASEAN*	Yes	March 19, 2013
India/South Asia**	Yes	March 19, 2013
Australia	Yes	March 19, 2013
People's Republic of China	Yes	March 19, 2013
Hong Kong S.A.R of the PRC	Yes	March 19, 2013
Macao S.A.R of the PRC	Yes	March 19, 2013
Taiwan	Yes	March 19, 2013
Korea	Yes	March 19, 2013
New Zealand	Yes	March 19, 2013
Japan IOT		
Japan	Yes	March 19, 2013

* Brunei Darussalam, Indonesia, Cambodia, Lao People's Democratic Republic, Malaysia, Philippines, Singapore, Thailand, and Vietnam

** Bangladesh, Bhutan, India, Sri Lanka, Maldives, Nepal, and Afghanistan

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