



Energy Star Certification Reference

Reference Information (withdrawn product)

Energy Star is a joint program between the U.S. Environmental Protection Agency and the U.S. Department of Energy conceived to promote energy efficiency and reduce Greenhouse Gas emissions in hardware of all kinds.

Products meeting certain standards such as contributing significant energy savings while maintaining high performance and features earn an Energy Star label. Such labeling identifies and promotes energy-efficient products and helps customers decide which products to purchase that will offer savings on their energy bills by lowering their electricity costs.

Therefore, purchasing an Energy Star labeled product ensures you are saving energy and minimizing your environmental impact, all without sacrificing performance.

Withdrawn: Energy Star 3.0 is now withdrawn. See the following document for Energy Star 4.0:
<https://lenovopress.lenovo.com/lp1879-energy-star-40-certification>

Certifications

The following table lists the Energy Star certifications of Lenovo servers. The links in the Certification number column take you to the certification on the Energy Star web site.

The Energy Star level corresponds to the version number of the Server Energy Efficiency Rating Tool (SERT) testing performed:

- Energy Star 3.0 corresponds to SERT Version 2.0.1 or later
- Energy Star 2.1 corresponds to SERT Version 1.1.1 or later
- Energy Star 2.0 corresponds to SERT Version 1.1.0

Table 1. Energy Star certification level

Server	Energy Star certification	Certification number
ThinkSystem		
ThinkSystem SD530 (7X20, 7X21, 7X22)	Energy Star 3.0	2336662
ThinkSystem SD650 (7X58)	Energy Star 3.0	2337283
ThinkSystem SE350 (7Z46, 7D1X)	No	
ThinkSystem SN550 (7X16)	Energy Star 3.0	2335099
ThinkSystem SN850 (7X15)	Energy Star 3.0	2335098
ThinkSystem SR250/SR258 (7Y51/7Y52)	Energy Star 3.0	2331560
ThinkSystem SR530 (7X07, 7X08)	Energy Star 3.0	2339013
ThinkSystem SR550 (7X03, 7X04)	Energy Star 3.0	2339014
ThinkSystem SR570 (7Y02, 7Y03)	Energy Star 3.0	2339015

Server	Energy Star certification	Certification number
ThinkSystem SR590 (7X98, 7X99)	Energy Star 3.0	2339016
ThinkSystem SR630 (7X01, 7X02)	Energy Star 3.0	2339018
ThinkSystem SR635 (7Y98, 7Y99)	Energy Star 3.0	2346242
ThinkSystem SR650 (7X05, 7X06)	Energy Star 3.0	2339026
ThinkSystem SR655 (7Y00 / 7Z01)	Energy Star 3.0	2346247
ThinkSystem SR670 (7Y36, 7Y37, 7Y38)	Energy Star 3.0	2339398
ThinkSystem SR850 (7X18, 7X19)	Energy Star 3.0	2339397
ThinkSystem SR850P (7D2F, 7D2G)	No	
ThinkSystem SR860 (7X69, 7X70)	Energy Star 3.0	2339396
ThinkSystem SR950 (7X11, 7X12, 7X13)	Energy Star 3.0	2341614
ThinkSystem ST50 (7Y48, 7Y49)	No	
ThinkSystem ST250/ST258 (7Y45, 7Y46, 7Y47)	Energy Star 3.0	2331272
ThinkSystem ST550 (7X09, 7X10)	Energy Star 3.0	2339017
ThinkAgile HX		
ThinkAgile HX1320 (7X83)	Energy Star 3.0	2339018
ThinkAgile HX1321 (7Y89)	Energy Star 3.0	2339018
ThinkAgile HX1520-R (7X84)	Energy Star 3.0	2339023
ThinkAgile HX1521-R (7Y90)	Energy Star 3.0	2339026
ThinkAgile HX2320-E (7X83)	Energy Star 3.0	2339018
ThinkAgile HX2321 (7Y89)	Energy Star 3.0	2339018
ThinkAgile HX2720-E (7X82)	Energy Star 3.0	2336662
ThinkAgile HX3320 (7X83)	Energy Star 3.0	2339018
ThinkAgile HX3321 (7Y89)	Energy Star 3.0	2339018
ThinkAgile HX3520-G (7X84)	Energy Star 3.0	2339023
ThinkAgile HX3521-G (7Y90)	Energy Star 3.0	2339026
ThinkAgile HX3720 (7X82)	Energy Star 3.0	2336662
ThinkAgile HX3721 (7Y88)	No	
ThinkAgile HX5520 (7X84)	Energy Star 3.0	2339023
ThinkAgile HX5520-C (7X84)	Energy Star 3.0	2339023
ThinkAgile HX5521 (7Y90)	Energy Star 3.0	2339026
ThinkAgile HX7520 (7X84)	Energy Star 3.0	2339023
ThinkAgile HX7521 (7Y90)	Energy Star 3.0	2339026
ThinkAgile HX7820 (7Y95)	No	
ThinkAgile HX7820 HANA (7Z08)	No	
ThinkAgile HX7821 (7Y96)	No	
ThinkAgile HX7821 HANA (7Z09)	No	
ThinkAgile VX		
VX 1U Certified Node (7Y93)	Energy Star 3.0	2339018
VX 2U Certified Node (7Y94)	Energy Star 3.0	2339026
VX 2U4N Certified Node (7Y92)	Energy Star 3.0	2336662
VX2320 (7Y13, 7Y93)	Energy Star 3.0	2339018

Server	Energy Star certification	Certification number
VX3320 (7Y13, 7Y93)	Energy Star 3.0	2339018
VX3520-G (7Y14, 7Y94)	Energy Star 3.0	2339022
VX3720 (7Y12, 7Y92)	Energy Star 3.0	2336662
VX5520 (7Y14, 7Y94)	Energy Star 3.0	2339024
VX7320-N (7Y93)	Energy Star 3.0	2339018
VX7520 (7Y14, 7Y94)	Energy Star 3.0	2339024
Converged HX Series		
Converged HX1310 (8693)	Energy Star 3.0	2338657
Converged HX2310-E (8693)	Energy Star 3.0	2338657
Converged HX2710-E (8689)	Energy Star 2.0	2272759 (withdrawn)
Converged HX3310 (8693)	Energy Star 3.0	2338657
Converged HX3310-F (8693)	Energy Star 3.0	2338657
Converged HX3500 (5462)	Energy Star 3.0	2338658
Converged HX3510-G (8695)	Energy Star 3.0	2338658
Converged HX3710 (8689)	Energy Star 2.0	2272759 (withdrawn)
Converged HX3710-F (8689)	Energy Star 2.0	2272759 (withdrawn)
Converged HX5500 (5462)	Energy Star 3.0	2338658
Converged HX5510 (8695)	Energy Star 2.0	2268810 (withdrawn)
Converged HX5510-C (8695)	Energy Star 3.0	2338658
Converged HX7500 (5462)	Energy Star 3.0	2338658
Converged HX7510 (8695)	Energy Star 3.0	2338658
Flex System		
Flex System x220 (7906)	No	
Flex System x222 (7916)	Energy Star 2.0	2254814 (withdrawn)
Flex System x240 (7162)	No	
Flex System x240 (7863, E5 v1)	No	
Flex System x240 (7863, E5 v2)	No	
Flex System x240 (8737, E5 v1)	No	
Flex System x240 (8737, E5 v2)	Energy Star 2.0	2238256 (withdrawn)
Flex System x240 M5 (9532, E5 v3)	Energy Star 2.0	2248297 (withdrawn)
Flex System x240 M5 (9532, E5 v4)	Energy Star 2.1	2248297 (withdrawn)
Flex System x440 (7167)	No	
Flex System x440 (7917)	No	
Flex System x880 X6 / x480 X6 / x280 X6 (7196)	Energy Star 2.1	2254814 (withdrawn)
Flex System x880 X6 / x480 X6 / x280 X6 (7196)	Energy Star 2.0	2254814
Flex System x880 X6 / x480 X6 / x280 X6 (7903)	No	
System x		
System x3100 M4 2582	No	
System x3100 M5 5457	No	
System x3250 M4 2583	No	
System x3250 M5 5458	Energy Star 2.0	2238241

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System x3250 M6 3633 / 3943	Energy Star 2.1	2264270
System x3300 M4 7382	No	
System x3400 M3 7378,7379	No	
System x3500 M3 7380	No	
System x3500 M4 (7383, E5 v1)	No	
System x3500 M4 (7383, E5 v2)	Energy Star 2.0	2238252 (withdrawn)
System x3500 M5 5464	Energy Star 2.1	2232888 (withdrawn)
System x3530 M4 (7160, E5 v1)	No	
System x3530 M4 (7160, E5 v2)	Energy Star 2.0	2233218 (withdrawn)
System x3550 M3 7944	No	
System x3550 M4 (7914, E5 v1)	No	
System x3550 M4 (7914, E5 v2)	Energy Star 2.0	2238257 (withdrawn)
System x3550 M5 (5463, E5 v3)	Energy Star 3.0	2338657
System x3550 M5 (8869, E5 v4)	Energy Star 3.0	2338657
System x3630 M3 7377	No	
System x3630 M4 (7158, E5 v1)	No	
System x3630 M4 (7158, E5 v2)	Energy Star 2.0	2233388 (withdrawn)
System x3650 M3 7945	No	
System x3650 M4 (7915, E5 v1)	No	
System x3650 M4 (7915, E5 v2)	Energy Star 2.0	2238259 (withdrawn)
System x3650 M4 BD 5466	Energy Star 2.0	2238244 (withdrawn)
System x3650 M4 HD 5460	Energy Star 2.0	2238251 (withdrawn)
System x3650 M5 (5462, E5 v3)	Energy Star 3.0	2338658
System x3650 M5 (8871, E5 v4)	Energy Star 3.0	2338658
System x3690 X5 7147	No	
System x3750 M4 8722	No	
System x3750 M4 8752/8718	Energy Star 2.0	2239590 (withdrawn)
System x3750 M4 8753	Energy Star 2.0	2239590 (withdrawn)
System x3755 M3 7164	Energy Star 2.0	2238254 (withdrawn)
System x3850 X5 / x3950 X5 7143	Energy Star 2.0	2238245 (withdrawn)
System x3850 X6/ x3950 X6 (3837, E7 v2)	Energy Star 2.0	2238258 (withdrawn)
System x3850 X6/ x3950 X6 (6241, E7 v2)	No	
System x3850 X6/ x3950 X6 (6241, E7 v3)	Energy Star 2.1	2238258 (withdrawn)
System x3850 X6/ x3950 X6 (6241, E7 v4)	Energy Star 2.1	2238258 (withdrawn)
ThinkServer		
ThinkServer RD230	No	
ThinkServer RD330	No	
ThinkServer RD340	Energy Star 2.0	2223317 (withdrawn)
ThinkServer RD350 (E5 v3)	Energy Star 2.0	2226542 (withdrawn)
ThinkServer RD350 (E5 v4)	Energy Star 2.0	2226542 (withdrawn)
ThinkServer RD430	No	

Server	Energy Star certification	Certification number
ThinkServer RD440	Energy Star 2.0	2223318 (withdrawn)
ThinkServer RD450 (E5 v3)	Energy Star 2.0	2226543 (withdrawn)
ThinkServer RD450 (E5 v4)	Energy Star 2.0	2226543 (withdrawn)
ThinkServer RD530	No	
ThinkServer RD540	Energy Star 2.0	2223857 (withdrawn)
ThinkServer RD550 (E5 v3)	Energy Star 2.0	2256125 (withdrawn)
ThinkServer RD550 (E5 v4)	Energy Star 2.0	2256125 (withdrawn)
ThinkServer RD630	No	
ThinkServer RD640	Energy Star 2.0	2223846 (withdrawn)
ThinkServer RD650 (E5 v3)	Energy Star 2.0	2255928 (withdrawn)
ThinkServer RD650 (E5 v4)	Energy Star 2.0	2255928 (withdrawn)
ThinkServer RS140	No	
ThinkServer RS160	No	
ThinkServer TD230	No	
ThinkServer TD340	No	
ThinkServer TD350 (E5 v3)	Energy Star 2.1	2218439 (withdrawn)
ThinkServer TD350 (E5 v4)	Energy Star 2.1	2218439 (withdrawn)
ThinkServer TS130	No	
ThinkServer TS140	No	
ThinkServer TS150 (E3 v5)	No	
ThinkServer TS150 (E3 v6)	No	
ThinkServer TS430	No	
ThinkServer TS440	No	
ThinkServer TS450	No	
ThinkServer TS460	Energy Star 2.1	2289418 (withdrawn)
Dense		
iDataPlex dx360 M4 (7912, E5 v2)	Energy Star 2.0	2238253 (withdrawn)
NeXtScale nx360 M4 (5455)	Energy Star 2.0	2238248 (withdrawn)
NeXtScale nx360 M5 (5465, E5 v3)	Energy Star 2.0	2233219 (withdrawn)
NeXtScale nx360 M5 (5465, E5 v4)	Energy Star 2.1	2284962 (withdrawn)
ThinkServer sd350 (5493)	Energy Star 2.0	2272759 (withdrawn)
BladeCenter		
BladeCenter HS12 (8014)	No	
BladeCenter HS12 (8028)	No	
BladeCenter HS22 (7870 7809)	No	
BladeCenter HS22V (7871)	No	
BladeCenter HS23 (7875, E5 v1)	No	
BladeCenter HS23 (7875, E5 v2)	No	
BladeCenter HS23E (8038)	No	
BladeCenter HX5 (7872)	No	
BladeCenter HX5 (7873)	No	

Related publications and links

For more information, see these resources:

- Lenovo Commitment to Social Responsibility
<https://www.lenovo.com/us/en/about/sustainability/>
- Lenovo Product Energy Efficiency
<https://www.lenovo.com/us/en/sustainability-energy-efficiency>
- Energy Star 3.0 Certifications for ThinkSystem Servers
<https://lenovopress.com/lp1230-energy-star-30-certifications-for-thinksystem-servers>
- Energy Star page for enterprise servers:
https://www.energystar.gov/products/enterprise_servers

Related product families

Product families related to this document are the following:

- [1-Socket Rack Servers](#)
- [1-Socket Tower Servers](#)
- [2-Socket Rack Servers](#)
- [2-Socket Tower Servers](#)
- [4-Socket Rack Servers](#)
- [8-Socket Rack Servers](#)
- [Supercomputing Servers](#)

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