



Technical Documentation for EU regulation 2019/424 for Servers and Data Storage Products from (ErP) Directive 2009/125/EC EcoDesign Requirements for Energy Related Products

Oracle America Inc.
500 Oracle Parkway
Redwood Shores, CA 94065 USA
www.oracle.com

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|----------------------------------|---|
| Product Type | Rack-mount Server |
| Name/Address of Manufacturer | Oracle America Inc... |
| Product Model Number | X5-2L Server, all models as defined in the DoC |
| Compliance Model Number | GR2EP |
| Year of Manufacture | 2015 |
| PSU Efficiency | 10% Load: 88.99% |
| | 20% Load: 92.81% |
| | 50% Load: 94.00% |
| | 100% Load: 92.20% |
| Power Factor at 50% load | 0.99 |
| Power Supply rated power output | 1000W |
| Idle State Power | Low-end configuration: 74.0W |
| | High-end configuration: 161.2W |
| Additional Idle Power Allowances | Low-end 1 x Xeon E5-2630v3 CPU 64GB RAM 2 SSD 1 PSU No extra NIC allowance |
| | High-end 2 x Xeon E5-2699v3 CPU 768GB RAM 2 SSD 1 PSU No extra NIC allowance |



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| Maximum Measured Power at low-end configuration | 163.2W |
| Maximum Measured Power at high-end configuration | 558.5W |
| Declared Operating Condition Class | A2 |
| Idle power consumption at high boundary of declared operating condition | Low-end Configuration: 74W High-end Configuration: 167W |
| Active State Efficiency | Low-end Configuration: 18.9 High-end Configuration: 22.8 |
| Products disassembly for service | Oracle products are designed to be readily disassembled for Service. See product Service Manual for details. |
| Content of Cobalt in batteries and Neodymium in HDDs | Cobalt weight is less than 5g Neodymium Content HDDs with a capacity of 1.2G, 8TB and 10TB fall within 5g & 25g HDDs with a capacity of 14TB are less than 5g. |
| Secure deletion functionality | See Note 1 |

Note 1:

Oracle provides as a part of its Operating System (Oracle Linux, and Solaris) an interface to send commands to attached storage devices. This interface permits issuing commands to trigger secure data deletion

All Oracle storage devices respond to the Operating system commands in any one of the following ways, to comply with the 'secure data deletion' requirement.

1. Overwriting all User blocks of data using write commands
2. Sanitize command - removing reference to User data blocks
3. Key deletion command- Changing encryption keys

In cases where Overwrite of the specific block is either not possible or not supported, Sanitize & key deletion will be used to accomplish the secure deletion intent of the regulation.



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