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

Product Type	Rack-mount Server
Name/Address of Manufacturer	Oracle America Inc…
Product Model Number	X7-2 Server, all models as defined in the DoC
Compliance Model Number	PU1SL
Year of Manufacture	2017
PSU Efficiency	10% Load: 91.85%
	20% Load: 94.2%
	50% Load: 95.41%
	100% Load: 94.33%
Power Factor at 50% load	0.99
Power Supply rated power output	1200W
Idle State Power	Low-end configuration: 87.2W
	High-end configuration: 180.7W
Additional Idle Power Allowances	Low-end 1 x Xeon G6128 CPU 96GB RAM 2 SSD 1 PSU No extra NIC allowance High-end 2 x Xeon P8160 CPU 768GB RAM 2 SSD 1 PSU No extra NIC allowance
Maximum Measured Power at low-end configuration	208.7W
Maximum Measured Power at high-end configuration	581.1W
Declared Operating Condition Class	A2

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Idle power consumption at high boundary of declared operating condition	Low-end Configuration: 89W High-end Configuration: 195W
Active State Efficiency	Low-end Configuration: 22.5 HIgh-end Configuration: 35.0
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.