



## Technical Documentation for China GB 43630-2023 “Energy Efficiency Minimum Allowable Values and Grades for Tower and Racker Servers”

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|                                                                         |                                                                                                                                                                                     |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type                                                            | Resilient Server                                                                                                                                                                    |
| Name/Address of Manufacturer                                            | Oracle America Inc...                                                                                                                                                               |
| Product Model Number                                                    | T8-4 Server, all models as defined in the DoC                                                                                                                                       |
| Compliance Model Number                                                 | T84                                                                                                                                                                                 |
| Year of Manufacture                                                     | 2017                                                                                                                                                                                |
| PSU Efficiency                                                          | 10% Load: 94.75%                                                                                                                                                                    |
|                                                                         | 20% Load: 95.36%                                                                                                                                                                    |
|                                                                         | 50% Load: 96.07%                                                                                                                                                                    |
|                                                                         | 100% Load: 94.39%                                                                                                                                                                   |
| Power Factor at 50% load                                                | 0.99                                                                                                                                                                                |
| Power Supply rated power output                                         | 3060W                                                                                                                                                                               |
| Idle State Power                                                        | Tested single configuration: T8-4 2Socket, 16x 16GB DIMMS, 1x HDD, 0 PCIE Cards, 4x PSUs. 1119 Watts @ 22 DegC                                                                      |
| Maximum Measured Power                                                  | <a href="http://www.oracle.com/us/products/servers-storage/sun-power-calculators/index.html">http://www.oracle.com/us/products/servers-storage/sun-power-calculators/index.html</a> |
| Declared Operating Condition Class                                      | A2                                                                                                                                                                                  |
| Idle power consumption at high boundary of declared operating condition | Tested single configuration: T8-4 2Socket, 16x 16GB DIMMS, 1x HDD, 0 PCIE Cards, 4x PSUs. 1172 Watts @ 35 DegC                                                                      |
| Active State Efficiency                                                 | Exempt                                                                                                                                                                              |
| 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.                                                                                                                                      |



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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.

The link for China NDRC CEL 046-2025 for “Catalog of Products Subject to the Energy Efficiency Label (17<sup>th</sup> Batch):

[https://www.ndrc.gov.cn/xxgk/jd/jd/202501/t20250124\\_1395890.html](https://www.ndrc.gov.cn/xxgk/jd/jd/202501/t20250124_1395890.html)

<https://www.ndrc.gov.cn/xxgk/zcfb/ghxwj/202501/P020250123335750401178.pdf>