

## Bibliography

- EN 15643-1, *Sustainability of construction works - Sustainability assessment of buildings - Part 1: General framework*
- EN 15978, *Sustainability of construction works - Assessment of environmental performance of buildings - Calculation method*
- EN 50173 (all parts), *Information technology - Generic cabling systems*
- EN 50174-2, *Information technology - Cabling installation - Part 2: Installation planning and practices inside buildings*
- EN 50525-1, *Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 1: General requirements*
- EN 50525-3-11, *Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 3-11: Cables with special fire performance - Flexible cables with halogen-free thermoplastic insulation, and low emission of smoke*
- EN 50525-3-21, *Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 3-21: Cables with special fire performance - Flexible cables with halogen-free crosslinked insulation, and low emission of smoke*
- EN 50600-3-1, *Information technology - Data centre facilities and infrastructures - Part 3-1: Management and operational information*
- EN 50600-2-2, *Information technology - Data centre facilities and infrastructures - Part 2-2: Power supply and distribution*
- EN 50600-2-3, *Information technology - Data centre facilities and infrastructures - Part 2-3: Environmental control*
- EN 50600-4-8, *Information technology - Data centre facilities and infrastructures - Part 4-8: Carbon usage effectiveness*
- EN IEC 62040-3, *Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements*
- EN ISO 14001, *Environmental management systems - Requirements with guidance for use (ISO 14001:2015)*
- EN ISO 14025, *Environmental labels and declarations - Type III environmental declarations - Principles and procedures (ISO 14025:2006)*
- EN ISO 14044, *Environmental management - Life cycle assessment - Requirements and guidelines (ISO 14044:2006)*
- EN ISO 14064 (all parts), *Greenhouse gases (ISO 14064) (all parts)*
- EN ISO 50001, *Energy management systems - Requirements with guidance for use (ISO 50001:2018)*
- ETSI EN 300 019-1-3, *Environmental Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 1-3: Classification of environmental conditions; Stationary use at weather protected locations*

ISO/IEC 21836, *Information technology — Data centres — Server energy effectiveness metric*

ISO/IEC/TR 23050, *Information technology — Data centres — Impact on data centre resource metrics of electrical energy storage and export*

VDI 4600, *Cumulative energy expenditure (KEA) - terms, calculation methods*

VDI 4600, *Blatt 1, Cumulative energy demand - Examples*

#### Referenced Papers

- [1] ASHRAE. 'Liquid Cooling Guidelines for Datacom Equipment Centers, Second Edition', <https://www.ashrae.org/technical-resources/bookstore/datacom-series>
- [2] Blue Angel Server and Data Storage Products. (DE-UZ 213) <https://www.blauer-engel.de/en/products/electric-devices/server-and-data-storage-products> (accessed: 03.04.2023)
- [3] CEDaCI – A Circular Economy for the Data Centre Industry. <https://www.cedaci.org/> (accessed: 30.04.2021)
- [4] JRC Environmental Footprint and Material Efficiency Support for product policy. Analysis of material efficiency requirements of enterprise servers. 2015. L. Talens Peiró, F. Ardente
- [5] AHRAE. 2021 Equipment Thermal Guidelines for Data Processing Environments ASHRAE TC 9.9 Reference Card, [https://www.ashrae.org/file%20library/technical%20resources/bookstore/supplemental%20files/referenecard\\_2021thermalguidelines.pdf](https://www.ashrae.org/file%20library/technical%20resources/bookstore/supplemental%20files/referenecard_2021thermalguidelines.pdf)
- [6] The life cycle assessment of a UK data centre. The International Journal of Life Cycle Assessment ISSN 0948-3349 Int J Life Cycle Assess DOI 10.1007/s11367-014-0838-7, Whitehead, B., Andrews. D. & Shah, A
- [7] Electronics Disposal Efficiency (EDE): An IT Recycling Metric for Enterprises and Data Centers. The Green Grid, WP#53

#### Other papers and references

BLUE ANGEL DATA CENTRES. (DE-UZ 228) <https://www.blauer-engel.de/en/productworld/data-centers>

LINPACK. SERT™, <http://www.spec.org/sert/>

SPECpower. [http://www.spec.org/power\\_ssj2008/results/](http://www.spec.org/power_ssj2008/results/)