



Energy Star Certification for NetApp Products

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As part of our commitment to preserving natural resources, NetApp partners with the U.S. Environmental Protection Agency (EPA) and other government agencies to encourage energy efficiency in storage systems. NetApp is pleased to be a founding member of the EPA's ENERGY STAR program for data center storage and to have many of our storage systems certified as ENERGY STAR products. Find out more about the EPA's [ENERGY STAR program for data center storage](#).

Many of NetApp's data storage systems have earned ENERGY STAR certification for their proven energy efficiency. Storage efficiency translates into energy efficiency by reducing energy consumption. Every unused kilowatt of energy saves almost two kilowatts of energy, by avoiding the cooling required to counteract each kilowatt's BTUs of waste heat.

NetApp products are designed to lower energy consumption through technologies that combine high storage efficiency with high performance for meeting demanding data center requirements; energy-efficient power supplies; and efficient packaging that reduces the energy needed for raw materials and transportation.

The ENERGY STAR program for data center storage applies to configurations that fall within ranges based on:

- Number of spindles
- System redundancy
- Storage protection
- Nondisruptive serviceability

NetApp E-Series data storage systems have earned ENERGY STAR certification for high performance and efficiency. NetApp E-Series systems are deployed across the globe to tackle the most demanding workloads. They are designed to meet extreme performance challenges while delivering performance efficiency by maximizing each storage component. They deliver high performance per watt consumes or Btu generated. The result: very fast, dense, and efficient systems that deliver high performance (GB/s or IOPS) per watt consumed or BTU (heat) generated, which leads to savings of both production and ongoing operating resources.

All ENERGY STAR certified systems are dual power/cooling/controllers, FDE or non-FDE drives of any capacity, with any host interface option. NetApp has certified a range of E2700, E2800, E5500, E5600, and E5700 configurations to meet the core ENERGY STAR requirements. The following configurations are ENERGY STAR certified: In addition, NetApp has certified the EF600 All Flash System

Description
E2812 with 12HDD or 12 SSD drives
E2824, E5724 and EF570 with 24 HDD or 24 SSD drives
E2860 and E5760 with 60 HDD for 60 SSD drives
E2712, E5512, and E5612: up to 24 HDD drives w/DE1600 shelf
E2724, E5524, and E5624: up to 48 HDD drives w/DE5600 shelf
E2760, E5560, and E5660: up to 120 HDD drives w/DE6600 shelf
EF600 up to 24 NVMe SSD drives w/NE224

In addition to Storage Systems, NetApp has also obtained ENERGY STAR for Servers certification for the HCI H615C Compute Node Family Computer Servers