Sustainability Without Compromise
Reduce energy consumption with Dell PowerMax 2500 and PowerMax 8500 storage

The world's most secure1 mission-critical storage delivers massive performance paired with best in class sustainability.

Massive performance at scale
- Up to 2.8X more IOPS per watt3
- Up to 2X faster performance4

Smaller energy bills
- 80% power savings per terabyte5
- Up to $207,000 electricity costs savings6

Smaller carbon footprint
- Up to 82% reduction in emissions7 compared to previous generation
- Up to 74 homes per year potentially powered with the energy savings8
- Up to 43,000 gallons (162,800 liters) of gas equivalent CO2 reduction9

Smaller data center footprint
- 5X capacity per kVA10
- 5:1 data reduction guarantee backed by the Dell Future-Proof Program11
- Up to 14X more storage capacity per rack unit12

Advance your sustainability and business goals with Dell PowerMax storage.

Learn more at Dell.com/IT-Sustainability

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1 Based on Dell's internal analysis of cybersecurity capabilities of PowerMax versus cybersecurity capabilities of competitive mainstream arrays supporting open systems and mainframe storage, April 2023.
2 Based on Dell’s analysis of published product specs and features impacting power usage of PowerMax versus competitive mainstream arrays supporting open systems and mainframe storage operating at 8PBe, June 2023.
3 Based on Dell's internal testing comparing IOPS per watt for PowerMax 2500 compared with PowerMax 2000 using the 8K random writes workload. Performance per watt will vary, August 2023.
4 Based on Dell’s internal testing using the Sequential Read Hits (128K) GB-per-second benchmark and IOPS per FC port benchmarks (within a single array) comparing PowerMax 8500 to PowerMax 8000. Actual performance will vary, April 2023.
5 Based on Dell's internal analysis comparing power (kVA) per effective terabyte of the PowerMax 2500 compared with the PowerMax 2000, April 2023.
6 Based on Dell’s internal analysis of total electricity cost savings over five years operating PowerMax 2500 at 8PBe (5kW) versus six PowerMax 2000s at 8PBe (27.5kW) using $.21 per kWh (U.S. EIA April 2023 report, California Commercial rate). Actual cost savings will vary, July 2023.
7 Based on Dell’s internal analysis of total CO2 emissions over five years for PowerMax 2500 at 8PBe (5kW) versus six PowerMax 2000s at 8PBe (27.5kW). Calculations are from the U.S. EPA CO2e formula. Actual CO2e reduction will vary, July 2023.
8 Based on Dell’s internal analysis of converting CO2e reduction that can equal the energy required to power up to 74 average U.S. homes for a year. The reduction is from operating PowerMax 2500 at 8PBe (5kW) versus six PowerMax 2000s at 8PBe (27.5kW) over five years. Calculations from EIA 2020 Average Annual Outlook Report. Actual CO2e reduction will vary, July 2023.
9 Based on Dell’s internal analysis of converting CO2e reduction that can equal the consumption of gasoline. The reduction is from operating PowerMax 2500 at 8PBe (5kW) over five years versus six PowerMax 2000s at 8PBe (27.5kW). Calculations are based on the U.S. EPA gallons-of-gas-consumed formula. Actual CO2e reduction will vary, July 2023.
10 Based on Dell’s internal analysis comparing the effective capacity per kVA of the PowerMax 2500 compared with the PowerMax 2000, April 2023.
11 Based on Dell’s Future-Proof program that offers 5:1 data reduction guarantee based on PowerMax data reduction tools (dedupe and data compression) for open systems storage. Actual data reduction rates may vary. See terms and conditions for details at https://www.delltechnologies.com/asset/enus/products/storage/legal-pricing/future-proof-drguarantee-tc.pdf, August 2023.
12 Based on Dell’s internal analysis comparing effective storage capacity per rack unit (1.75") of the PowerMax 2500 compared with the PowerMax 2000. Actual storage capacities will vary, April 2023.

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