

## NVIDIA-Accelerated Supercomputers Hit New Highs on TOP500 List

### NVIDIA GPU-Accelerated Systems Jump Nearly 50 Percent in One Year; Accelerate Fastest Supercomputers in the World - U.S., Europe, Japan; Power 22 of World's 25 Most Energy-Efficient Supercomputers

SC18--NVIDIA's position as the most dynamic force in global supercomputing was confirmed today in the just-issued TOP500 list of the world's fastest supercomputers.

The closely watched list, released at the start of the SC18 annual high performance computing conference, shows a 48 percent jump in one year in the number of systems using NVIDIA GPU accelerators. The total climbed to 127 from 86 a year ago, and is three times greater than five years ago.

Moreover, NVIDIA GPUs power the world's two fastest supercomputers -- the U.S. Department of Energy's Summit, at Oak Ridge National Laboratory, and Sierra, at Lawrence Livermore National Lab. Combined, the two systems feature more than 40,000 NVIDIA® V100 Tensor Core GPUs, which enabled the world's leading researchers to do groundbreaking research recognized in five out of this year's six finalists for the [Gordon Bell Prize](#), to be awarded during this week's SC18 conference.

Europe's and Japan's fastest supercomputers are also accelerated by NVIDIA GPUs.

Also released today, the Green500 list, which measures the energy-efficiency of the world's fastest systems, shows that NVIDIA powers 22 of the top 25 "greenest" systems.

The latest list marks another milestone -- for the first time, nearly half of its compute power -- 702 of 1,417 petaflops -- comes from accelerated systems. Prior to 10 years ago, no accelerated systems appeared on the list.

"This is a breakout year for NVIDIA in the world of supercomputing," said Jensen Huang, founder and CEO of NVIDIA. "With the end of Moore's law, a new HPC market has emerged, fueled by new AI and machine learning workloads. These rely as never before on our high-performance, highly efficient GPU platform to provide the power required to address the most challenging problems in science and society."

The latest list shows that 52, or one-third, of the 153 systems debuting on the TOP500 are GPU-accelerated, compared with 33 new GPU-accelerated systems on the list a year ago.

Among the new systems this year is NVIDIA DGX-2 POD™, at No. 61. The first [DGX-2](#) cluster appearing on the list, it combines 36 DGX-2 systems and delivers more than 3 petaflops of double-precision performance. Based on these results, a cluster of only 11 of these systems would earn a spot on the current TOP500 list.

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#### About NVIDIA

[NVIDIA](#)'s (NASDAQ: NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market, redefined modern computer graphics and revolutionized parallel computing. More recently, GPU deep learning ignited modern AI — the next era of computing — with the GPU acting as the brain of computers, robots and self-driving cars that can perceive and understand the world. More information at <http://nvidianews.nvidia.com/>.

Certain statements in this press release including, but not limited to, statements as to: NVIDIA's position as the most dynamic force in global supercomputing; NVIDIA GPUs enabling the world's leading researchers to do groundbreaking research that have been named finalists for the Gordon Bell Prize; NVIDIA GPUs powering the world's fastest energy-efficient systems; NVIDIA having a breakout year in the world of supercomputing; new HPC markets emerging, fueled by new AI and machine learning workloads, and HPC markets relying on NVIDIA's GPU platform to provide the power required to address the most challenging problems in science and technology; GPUs accelerating one-third of the systems on the TOP500 list and DGX-2 clusters earning a spot on the TOP500 list; and the performance, benefits and abilities of DGX-2 and NVIDIA GPUs are forward-looking statements that are subject to risks and uncertainties that could cause results to be materially different than expectations. Important factors that could cause actual results to differ materially include: global economic conditions; our reliance on third parties to manufacture, assemble, package and test our products; the impact of technological development and competition; development of new products and technologies or enhancements to our existing product and technologies; market acceptance of our products or our partners' products; design, manufacturing or software defects; changes in consumer preferences or demands; changes in industry standards and interfaces; unexpected loss of performance of our products or technologies when integrated into systems; as well as other factors detailed from time to time in the most recent reports NVIDIA files with the Securities and Exchange Commission, or SEC, including, but not limited to, its annual report on Form 10-K and quarterly reports on Form 10-Q. Copies of reports filed with the SEC are posted on the company's website and are available from NVIDIA without charge. These forward-looking statements are not guarantees of future performance and speak only as of the date hereof, and, except as required by law, NVIDIA disclaims any obligation to update these forward-looking statements to reflect future events or circumstances.

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