DELLTechnologies

# Sustainability on Dell PowerEdge Servers

Dell Technologies aims to create more sustainable products and services while **also lowering operating costs.**

IT sustainability

IT sustainability in the Dell PowerEdge server portfolio is reflected in product-design features that improve energy efficiency, provide management tools to optimize energy consumption, use recycled materials and are validated by recognized eco labels.

First Tier 1 vendor
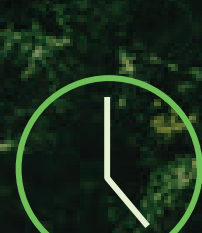
to measure server carbon emissions in **real time**

CO₂ to **measure and track** server carbon emissions on production servers[1]

Design features

Drive energy efficiency and infrastructure consolidation.

Multi-vector cooling, liquid cooling and thermal design capabilities are designed to fit your location (data center, edge, specialized environment).

One new PowerEdge R7625 Server can do the work of five legacy servers, with up to **64% energy savings.**[2]

PowerEdge R750 has an optimized thermal design that **improves energy efficiency.**[4]

High-performance fans and new CPU heat sinks keep the system at optimal temperatures without using more energy than is needed.

Up to **95°F** PowerEdge servers deliver **power-efficient operation.**

23°F/-5°C   **131°F/55°C**

The supported temperature range of PowerEdge servers in edge locations from the factory floor to remote cellular base stations.[3]

Management tools

Provide visibility and control to reduce energy consumption.

Dell OpenManage Enterprise (OME) Power Manager

Generate power-usage insights, simplify IT and improve decision-making.

Get useful information that allows you to quickly respond to power issues, improve overall power usage and track greenhouse gas emissions.

Up to **88%** less time to cap power on eight-node servers vs. doing it manually[6]

Up to **96%** less time to collect power data vs. doing it manually[5]

The Power Manager Emission Conversion Factor feature lets you approximate carbon dioxide emission levels based on energy consumed.

The Power Manager 3.0 plug-in lets you calculate energy and carbon emissions cost per unit for devices managed and monitored through the OME console.

Sustainable materials and eco labels

We use recycled materials to make parts for new products.

PowerEdge R750 has 12% recycled steel.[6]

Recognized eco labels validate our environmental leadership.

PowerEdge servers are the first in the industry to achieve EPEAT Silver.[7]

PowerEdge has more EPEAT-registered and ENERGY STAR®–certified servers than any other vendor.[8]

Sustainability is a joint effort

By increasing energy efficiency, reducing the environmental impact and maximizing performance, PowerEdge servers can help support your business and climate goals. When we all prioritize sustainability, we are driving business outcomes **and** protecting the planet.

Learn more at
Dell.com/ESG | Dell.com/IT-Sustainability