

# How much does a three-story data center power distribution box cost



## Overview

Costs range from \$8 to \$12 million per megawatt, shaped by Tier level and power density. New builds are AI-ready with liquid cooling, modular systems, and high-density power. Actual data center costs can vary greatly from this model; the primary value of this tool is to evaluate how each cost input affects the lifetime cost differences between the two approaches. After 10 years, building is 12.7% less expensive than colocation with a break-even at < 6 years. What is Data. Data centers aren't cheap to build, but what drives the cost?

This article outlines a full breakdown for a mid-sized (5,000 sq ft, ~800 kW load) Tier II/Tier III data center. From land acquisition to lighting OpEx, every line item is laid bare to help planners, project managers, and CFOs make. The average cost of power in the United State in 2012 was \$. As you adjust the number of cabinets and the total available KW, this graphic will display the watts per square foot capacity of your data center and show how your design compares to industry standards. Before we unpack the line items and benchmarks, it's worth grounding the conversation in one question every operator asks first: what does it actually cost to build one?

How Much Does It Cost to Build a. Below are the Uptime Institute's cost estimates: A cost for computer rooms of \$300 USD per square foot must be added to the "kW cost" shown above. Cost of a mini Data Center To find a specific figure, we carry out the following exercise: A small Tier II Data Center, with 32 racks and an average.



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Costs of a Data Center

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## Data Center Cost Breakdown: Full CapEx & OpEx

Data centers aren't cheap to build, but what drives the cost? This article outlines a full breakdown for a mid-sized (5,000 sq ft, ~800 kW load) Tier

## Contact Us

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