



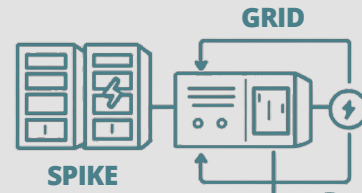
How UPS Batteries Smooth AI Power Spikes in Data Centers

THE PROBLEM AI's power spikes



AI training and inference cause sudden surges in power demand, forcing data centers to overbuild for rare peaks

THE SOLUTION UPS batteries as power buffers



UPS batteries instantly discharge during spikes, supporting the grid and stabilizing load

HOW IT WORKS

1

monitor load

UPS tracks AI workload power in real time

2

detect spike

AI training surge detected

3

discharge battery

UPS supplies extra power for seconds or minutes

4

longer equipment life

Battery recharges during low demand or renewable

BENEFITS



smaller infrastructure

Size power systems for average demand, not peak



greener power

Integrate renewables and reduce carbon footprint



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For questions or to learn more, please contact Jimmy at jsneed@wbengineering.com.