



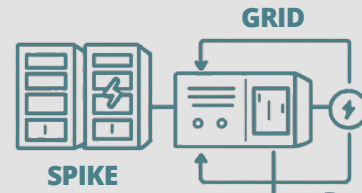
# How UPS Batteries Smooth AI Power Spikes in Data Centers

## 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



**Jimmy Sneed** Managing Director, Critical Facilities | Managing Principal

For questions or to learn more, please contact Jimmy at [jsneed@wbengineering.com](mailto:jsneed@wbengineering.com).