



# Why EV Charging and Storage Are Growing Together

INVESTOR INSIGHTS | OPPORTUNITY & MARKET BASICS

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The aging U.S. power grid is under growing stress. BESS paired with EV charging is a powerful, smartly incentivized solution that's ready for takeoff.

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## Grid Strain Is Real. And it's Getting Worse

The U.S. electrical grid was never designed for the modern era. An era with everyone running air conditioners, PCs, EVs, and more. As a result, hotspots like New York, Texas, and California are already facing brownouts during peak demand. Clearly, the grid is maxed out, and something needs to give.

**Brownouts?** When demand for electricity is higher than what the grid can supply, lights may flicker, air conditioning fails, or neighborhoods lose power.

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## BESS + EV Charging: A Triple Opportunity

- **Energy Arbitrage:** BESS can “buy low, sell high” by storing off-peak electricity and discharging during peak pricing hours, turning volatility into revenue (just as utilities increasingly are doing) (Yes Energy Blog.)

- **Incentive Alignment:** Government stimulus, public-private partnerships, and state/federal incentives are accelerating deployment of BESS and EV infrastructure. The transcript highlights this alignment as a core foundation of the investment thesis.
  - **Critical Infrastructure Loop:** Pairing EV charging hubs with battery storage helps manage grid load, enhance reliability, and future-proof our electrification needs.
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## Big Picture Support from Recent Market Developments

- **Surging BESS Capacity:** In the U.S., grid-scale battery storage capacity surged fivefold from 2021 to 2024; now exceeding 26 GW and even outpacing pumped hydro. This growth is fueled by dropping costs, supportive policies like FERC Order 841, and growing demand for grid flexibility. ([Vox](#))
  - **Earth's Largest Battery Goes Live:** In New South Wales, the Waratah Super Battery (expected to hit 850 MW by end of 2025) now operates as a critical backstop against blackouts, reducing grid risk and potentially easing long-term electricity costs. ([The Guardian](#))
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## Why It's Fun (and Smart) to Invest With Charge Capital Partners

- **Infrastructure with a Twist:** Unlike classic real estate or utilities, BESS & EV charging represent next-gen infrastructure; dynamic, tech-driven, and brimming with arbitrage potential.
- **Built for Tomorrow:** These systems are a pragmatic response to a stressed grid and burgeoning EV adoption. We're not pushing pie-in-the-sky tech; we're investing in tangible, mission-critical infrastructure.

- **Win-Win-Win Design:** Improved grid stability, strong policy tailwinds, and attractive investor returns. You get hard financial triggers and social/environmental upside.
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## Reference Snapshot

- **Grid-scale storage boom:** Fivefold U.S. growth to 26 GW, driven by cost declines and policy support. ([Vox](#))
  - **Battery arbitrage:** Now the leading use case for U.S. BESS operations, converting price swings into profit. ([ESS News](#))
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## Wrap Up

EV charging combined with BESS isn't just a trendy green investment, its infrastructure in high demand, backed by real revenue models (like energy arbitrage), pro-energy policies, and urgent grid needs. Investing here puts you in the driver's seat of the energy transition — smart, forward-thinking, and future-ready.