



CUSTOMER CASE STUDY

Pioneering Fail-Safe Distributed Energy Storage Systems

Mobile BESS Powering Temporary EV Charging Infrastructure

When distributed outdoor events require flexible and low-emission power solutions, facilities teams rely on mobile, trailer-mounted **RPS150 Battery Energy Storage Systems (BESS)** to support. RPS150 provides a clean, quiet alternative to traditional diesel generators, enabling rapid deployment without the need for permanent grid upgrades or extensive site work—critical in a temporary or space-constrained environment.

At this deployment, RPS150 delivered stored energy to a combination of Level 2 chargers for routine charging needs and Level 3 DC fast chargers that required higher power output for rapid vehicle turnaround. Intelligent power management software balances load distribution, ensuring optimal performance even during peak demand periods. When grid connection is available, BESS can act as a buffer—charging during off-peak hours and discharging during high-demand intervals. In an off-grid scenario as is pictured here, it operates as the primary energy source. This flexibility ensures uninterrupted operation with minimal utility demand charges, while also reducing strain on local electrical infrastructure.



INDUSTRY

EV Charging Infrastructure

LOCATION

Northeastern US

IMPLEMENTATION

- One RPS150 BESS
- Level 2 and Level 3 DC fast charger
- **Monitoring:** ViSTA Monitoring and Control Dashboard enables remote oversight with real-time alerts

THIS FLEXIBLE APPROACH HELPED ENSURE:

- **Uninterrupted operation**
- **Reduced utility demand charges**
- **Less strain on local electrical infrastructure**

Discover the full story— contact us now.

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Deployments like this demonstrate how mobile energy storage can effectively enable scalable EV charging infrastructure in dynamic environments. RPS150 improves operational efficiency, reduces noise and emissions from incumbent diesel generators, and supports sustainability goals for the event without sacrificing performance. This model highlights a replicable approach for municipalities, event organizers, and commercial operators looking to accelerate EV adoption by overcoming grid limitations with modular, transportable energy solutions.

