

Konect

Battery Energy Storage Systems

Second-Life EV Batteries



Harness the efficiencies of second-life batteries

Maximize your investment and minimize your environmental impact.

Used EV batteries maintain **70-80%** of their capacity.

Battery energy storage systems (BESS) paired with onsite renewables and EV charging stations can decrease energy costs, increase revenue, and establish energy resilience.

EV battery reuse in commercial energy storage systems can add further value to charge point operators (CPOs), while auto manufacturers and fleets have a unique opportunity to repurpose their own batteries in depot battery storage for EV charging to add economic and environmental benefits.

Konect's revolutionary technology helps CPOs, automakers and fleet operators get the most out of second-life EV batteries by generating more energy per cycle to reduce BESS cost-per-kWh by as much as 60% while cutting capital expenditure costs to half of competitive solutions.



Benefits of second-life batteries

- Turns retired EV batteries into viable energy storage systems
- Significantly extend the life and throughput of 2nd-life batteries
- Reuse batteries of different chemistries, manufacturers, and states of health
- Enhance output with a configurable, modular storage platform
- Cloud interface with flexible API for third-party connections
- Intelligent storing and charging across all site assets
- Peace of mind with automated control in line with business goals
- Enabling sustainable power for a sustainable future
- Increased value to customers
- Reducing utility charges
- Maximizing vehicle up-time
- Establishing energy resilience

Why choose second-life batteries?

Konect's AI-driven solution enables turning retired second-life EV batteries into viable energy storage for EV charging regardless of manufacturer, chemistry, or state of health. Our EMS uses proprietary algorithms to meet site goals with proactive, real-time monitoring to control the BESS and optimize stored energy deployment across your EV charging stations.



Meet increasing demand with cost-effective, reliable power

Increased power demand and high utility charges can undermine the value of transitioning to EVs. Investing in energy storage reduces operating costs and helps maintain vehicle uptime with cost-efficient, resilient energy.



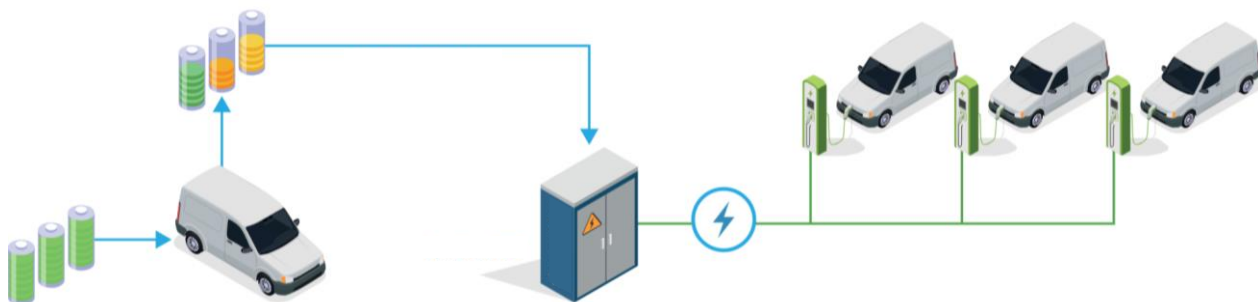
Increase your Return on Investment

Used electric vehicle batteries still maintain 70-80% of their capacity—enough to power your onsite commercial battery storage systems. Repurposing EV batteries in your BESS can provide even more value through reduced costs, and more efficient EV charging.



Mitigate environmental impact

Konect's solution repurposes retired EV batteries into a BESS, reducing waste and enhancing your sustainability efforts and economics. Additionally, pairing your BESS with onsite clean energy can even further your impact.



Optimizing second-life EV batteries with Konec.

In a conventional EV battery storage unit, the weakest cell drags down the usable capacity of the entire battery pack, decreasing economic efficiency.

Konec's proprietary technology allows bypassing weak cells to generate more energy per cycle to reduce the BESS cost-per-kWh by as much as 60% while cutting CapEx cost to half of competitive solutions.

Our proprietary technology allows bypassing weak cells to generate more energy per cycle, enabling CPOs, automakers, and fleet operators to get the most out of second-life EV batteries.

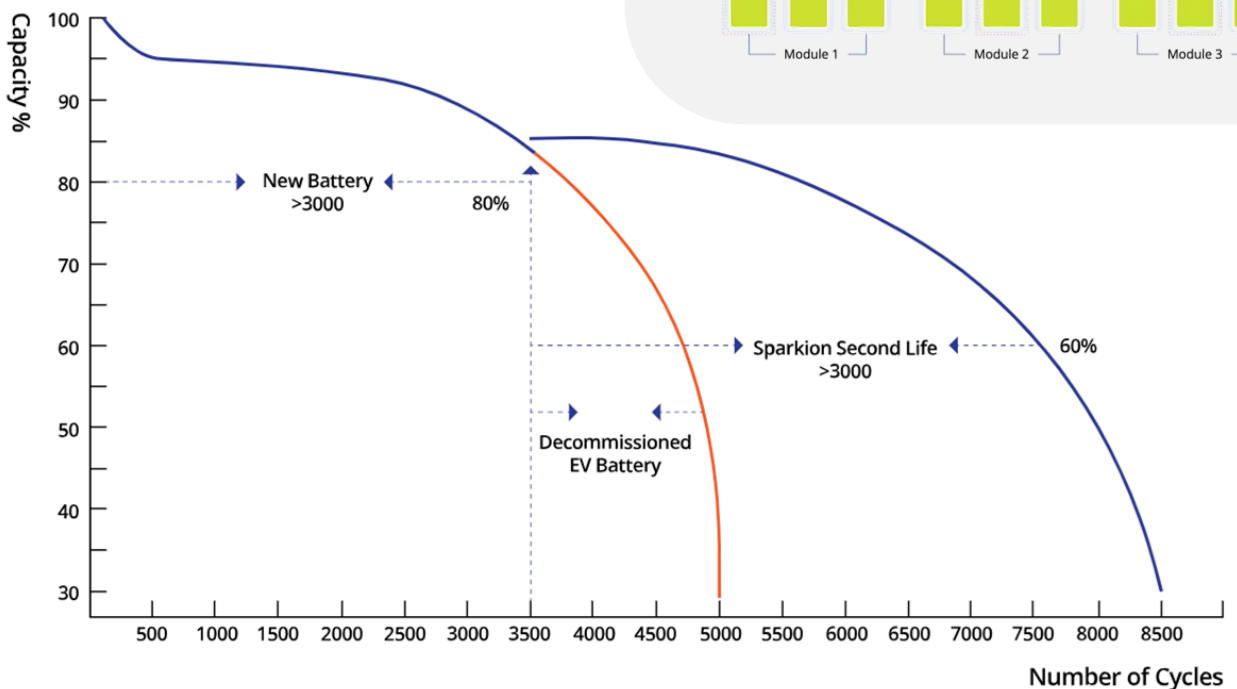
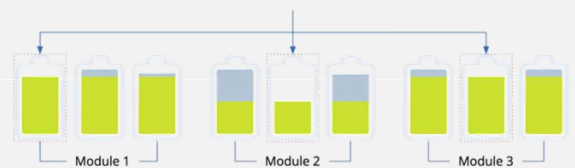
Conventional Storage:

The weakest cell determines the usable capacity of the entire battery pack



Konec Solution:

The weakest cell affects only the usable capacity of each module.



Battery Energy Storage Systems

Choose Konec.

Find out how your forecourt or fleet depot
could benefit from our end-to-end
EV charging ecosystem solutions.

Europe:
North America:

www.gilbarco.com/eu
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Konec

