

Powering Faster EV Charging Deployments: Electric Era + ID TECH

As demand for fast, reliable EV charging continues to grow, charging network providers face increasing pressure to deploy stations quickly while delivering a seamless payment experience. Electric Era, an innovative EV charging company known for its rapid deployment approach, selected ID TECH's VP6800 payment terminal to power contactless and EMV payments at multiple charging stations installed in parking lots at retailers like Costco, Love's, and GPM across the United States.

By combining ID TECH's rugged payment hardware with Payroc's payment application and gateway, Electric Era was able to streamline deployment, simplify payment integration, and deliver an intuitive payment experience for EV drivers.

Challenge

As EV adoption accelerates, charging providers face increasing pressure to deploy reliable charging infrastructure faster than ever before. Traditional DC fast charging projects often require months of planning, utility coordination, and infrastructure upgrades before becoming operational. Electric Era set out to challenge that model by dramatically reducing deployment timelines while maintaining a premium charging experience for EV drivers. Their North Port, Florida Costco installation became a powerful example, going from groundbreaking to live operation in just 54 days, significantly faster than typical industry deployments.

While Electric Era's innovative battery-backed charging architecture accelerated site deployment, the company also needed a payment solution that could keep pace. The payment terminal had to withstand demanding outdoor environments, integrate seamlessly with its software platform, and provide an intuitive payment experience that allowed drivers to simply tap, pay, and charge.

Our Payment Solution: the VP6800

To complement its fast-deployment charging platform, Electric Era selected the ID TECH VP6800 Smart Payment Terminal.

The VP6800's rugged design made it an ideal fit for unattended charging stations installed in public parking lots. Just as importantly, the terminal integrated seamlessly with Payroc's payment application and gateway, allowing Electric Era to accelerate deployment without having to develop and certify a payment solution from scratch.

The VP6800 provides:

- Large touchscreen for an intuitive customer experience
- EMV contact and contactless payment acceptance
- Apple Pay, Google Pay, and other NFC mobile wallet support
- Rugged design for demanding outdoor environments

The VP6800 enables drivers to simply tap, insert, or use a mobile wallet to begin charging—without unnecessary complexity or lengthy checkout processes. The large touchscreen and modern user interface create an intuitive payment experience that helps reduce friction at the charger and improve customer satisfaction.

"Our mission is to make EV charging more accessible by dramatically reducing deployment timelines without compromising reliability or the driver experience. " Said Hasitha Dharmisiri, VP of Software Engineering, Electric Era. "ID TECH's outdoor payment technology allowed us to deploy a payment solution that matched the speed and reliability of our charging infrastructure while providing drivers with the seamless payment experience they expect."

"Electric Era is redefining how quickly DC fast charging infrastructure can be deployed," said Justin Ning, VP of Sales & Product, ID TECH. "We're proud to support that innovation with payment technology built specifically for outdoor unattended environments. Whether it's EV charging, parking, transit, vending, or other unattended applications, ID TECH brings decades of experience designing secure payment solutions that perform reliably in the field. We're looking forward to helping Electric Era bring even more innovative charging stations to market."

Accelerating the Future of EV Payments

As EV charging networks continue to expand, operators need payment solutions that are just as reliable as their charging infrastructure. With more than 40 years of experience in secure payment technology, ID TECH helps EV charger manufacturers and charging network operators simplify deployment with rugged outdoor payment devices, Payment Application Engine (PAE), Remote Device Management (RDM), and end-to-end payment solutions.

Whether you're designing next-generation DC fast chargers, upgrading existing stations, or launching a new charging network, ID TECH provides the expertise and proven payment technologies to help you bring projects to market faster while delivering the seamless payment experience today's EV drivers expect.

Contact ID TECH to learn how our outdoor payment solutions can help accelerate your next EV charging deployment.

About ID TECH

ID TECH is a world-recognized leader in the design and manufacture of secure payment solutions, ranging from state-of-the-art contactless/NFC payment devices to EMV and magstripe readers. For more than 40 years, ID TECH has built a reputation based on technical excellence, innovation, and a commitment to superior customer service. Headquartered in Cypress, California, USA (with additional engineering centers in Shanghai, China; and Taoyuan City, Taiwan), ID TECH is an industry leader in delivering payment solutions around the globe.

About Electric Era

Founded in 2020 and headquartered in Seattle, Washington, Electric Era is an EV charging technology company on a mission to make fast charging ubiquitous, reliable, and affordable. Founded by a team of former SpaceX engineers, the company develops and operates battery-backed DC fast charging stations powered by proprietary software and intelligent energy management technology. By combining on-site battery storage with vertically integrated software, Electric Era helps retailers and site hosts accelerate charger deployment, reduce dependence on costly utility upgrades, improve charging reliability, and deliver a seamless charging experience for EV drivers. The company's innovative approach enables faster installation, industry-leading uptime, and scalable EV charging infrastructure for commercial locations across the United States.