

# LINCOLN ELECTRIC'S VELION EV CHARGER: ENGINEERED FOR TOP-TIER SECURITY AND RELIABILITY

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## Overview

Lincoln Electric leveraged secure-by-design principles to meet the high standards of security and performance expected in today's connected environments.

## End-to-End Security



Secured from  
Start to Finish



Defined, Tested,  
and Verified



Focused on  
Data Security



Key Components  
Managed



Protected  
Against Risks

## How We Do It

### Secured from Start to Finish

- » Security-First Development: Developed using a secure framework to ensure all components are built with security as the primary focus from the ground up.
- » Component Hardening: Critical components are hardened against known threats, enhancing their resilience to attack.
- » Optimized Capability Utilization: Lincoln Electric's Velion™ EV Charger devices operate only with essential capabilities enabled, reducing the attack surface and boosting performance.
- » Equipment Life Cycle Management: Adherence to lifecycle best practices ensures devices remain secure throughout their operational life.

## Defined, Tested, and Verified

- » Process Excellence: Defined processes ensure consistency and reliability in security practices and device performance.
- » Comprehensive Testing: Devices undergo multiple stages of security testing, identifying, and mitigating potential vulnerabilities before charging any vehicle.
- » Rigorous Manufacturing Checks: Production processes occur in stringently controlled environments to minimize risks and ensure product integrity.

## Focused on Data Security

- » Advanced Encryption: Data protection is paramount, with strong encryption protocols for data at rest and in transit, ensuring confidentiality and compliance with regulatory requirements.
- » Data Oversight: Continuous logging, monitoring, and reviewing of operational data aid in the timely detection and response to security incidents.
- » Perimeter Defense: Enhanced network perimeter protections are designed to ward off external threats and safeguard network integrity.

## Key Components Managed

- » Asset Management: Identification and tracking of both hardware and software assets provide full visibility and control of the Velion platform.
- » Identity Management: Unique identities for device access control prevent unauthorized usage and enhance security protocols.

## Protected Against Risks

- » Segmentation and Isolation: Physical, virtual, and data segregation mechanisms are implemented to limit exposure and contain potential breaches.
- » Supplier Integrity: Key suppliers are thoroughly vetted to ensure they meet our high standards for security and reliability.

## Benefits for Your Business:

- **Reliable Security:** Enjoy peace of mind with devices that are secure by design.
- **Enhanced Compliance:** Stay ahead of regulatory demands with comprehensive compliance documentation.
- **Operational Efficiency:** Gain operational advantages with devices that run only necessary capabilities, enhancing performance and energy efficiency.

## Conclusion

Lincoln Electric's Velion EV Charger delivers a premium level of security and operational efficiency, making it the preferred choice for businesses seeking robust charging solutions.

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