DEKRA

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# Quick Charge: EV Safety Snapshot

*A quick safety guide to help your team stay alert and safe around high-voltage EV systems*

## *"I Didn't Think It Was Live."*

### A common assumption. An avoidable incident.

It was a routine inspection—an electric service van brought in for diagnostics. No visible damage. No error lights. The vehicle had been parked for hours.

The technician, experienced and careful, opened the access panel to check a component. He assumed the system was powered down. It wasn't.

There was a brief shock—just enough to startle and leave a burn. No serious injury, thankfully. But it shook the team. The tech had handled EVs before. He knew the basics. But in that moment, the assumption that "parked means safe" almost led to something worse.

### Most EV Incidents Start with Good Intentions

EVs look like any other vehicle. But the systems underneath are different—and the risks are easier to overlook.

That's not about carelessness. It's about preparation. Even smart, seasoned technicians can be caught off guard if they haven't been trained on:

- How EVs retain charge even when parked
- How to verify safe conditions before touching components
- What visual cues and tools to use to assess risk

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*EV risks aren't obvious. That's the problem.*

## High Voltage, Low Visibility Why EV Risks Are Easy to Miss

EVs don't always look dangerous—but they can still be energized even when parked or unplugged. Without clear indicators, teams often assume they're safe when they're not.

Common oversights include:

- Loose or unmarked panels
- Missing warning labels
- Team members unaware they're near live components

These risks don't just affect technicians. They impact anyone working near EVs—drivers, warehouse staff, even supervisors.

### The Fix? Real Training.

Awareness helps. But training gives your team the clarity and confidence to spot risks and act safely—every time.

## EV Hazards Don't Just Affect Technicians

In today's operations, high-voltage systems aren't limited to one department or one role. **They're on the dock. In the yard. In the shop.** And they move through the same spaces your whole team does.

That means:

- A driver backing a vehicle into the bay can be at risk
- A contractor walking past an open panel might not know what they're looking at
- A supervisor signing off on the job might assume the crew is trained—when they're not

EV risks don't discriminate. Awareness isn't enough. What you really need is clarity, consistency, and training that sticks.

## Training Turns Good Teams Into Safe Ones

The reality is: most teams aren't trying to cut corners. They just perhaps haven't been given the right information.

That's why EV safety training isn't a "nice to have." It's a practical step toward protecting your people, your operations, and your peace of mind.

## The Right Training Changes Everything

DEKRA's EV Safety Training equips teams at every level to:

- Spot when a vehicle is still energized—even if it looks off
- Set clear buffer zones with signage and barriers
- Respond confidently if something goes wrong
- Protect everyone on-site—not just the technicians

You don't need to be an EV expert to work safely around them.

**But you do need the right foundation.**

**Questions? We're here to help.**

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**dekra.us/ev-safety-training**