

EV VENDOR CHECKLIST

KEY QUESTIONS TO CONSIDER ASKING AN ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) MANUFACTURER



This checklist is designed to assist Southern California Edison (SCE) customers evaluate charging stations models and manufacturers and determine which solution is right for your organization. The list is based on the California Energy Commission [guide](#). Please see below for common questions to consider.

HARDWARE:

- Voltage, phase, and amperage: What is the voltage, electrical phase, and amperage required for the charging station?
- Output power: What is the maximum power deliverable to an electric vehicle? Given as a kW rating and as an estimated miles of range added per hour of charging time.
- Dimensions: What are the overall height, length, width, and weight dimensions?
- Number of charging ports/type: What are the total number of ports and the connector type (e.g., J1772, CHAdeMO, SAE Combo)?
- Mounting: What type of mounting does the station require?
 - Pedestal: Hard-wired to a permanent pole or box. Typically mounted on a sidewalk or a concrete base.
 - Wall: Either hard-wired or temporarily wired to an existing wall. Typically includes a mounting plate.
- Cable: What type of cable management strategy does the station utilize (e.g., coil, retractable, etc.)?
- Network coverage: What type of cellular or data connectivity will I need?
- Hardware fees: What is the line item and total cost per station?

MANAGEMENT SOFTWARE:

- Remote management: Can charging station information and settings be accessed remotely?
- Price and policy configuration: How can the price and policy be set on the station? Can I determine who gets access to the stations?
- Energy management: Can the system manage energy usage and control costs?
- Demand response: Is the software capable of demand response programs/features?
- Data reporting: What type of reporting and analytics does the software offer?
- Mobile application: Does a mobile app exist for EV drivers to find and pay for sessions?
- Software fees: What are the software fees paid by station owner? What type of contract?

PAYMENT SYSTEM:

- Open access: Can any customer charge or is a service subscription or membership required?
- Customer payment: What are the ways that a customer can pay to use the station?
- Transaction fees: What are the expected transaction fees paid by station owner, if any?

MANUFACTURER/CERTIFICATION INFORMATION:

- Listings: What product testing certifications (e.g., Underwriters Laboratories (UL), Edison Testing Laboratories (ETL), etc.) does the station have?
- Accessibility Features: What features intended to increase access for disabled users exist?
- First entry to EVSE market: When was the date of first product the manufacturer released to the EVSE market?
- Warranty: What types of warranties come with the station? What are the costs for extended warranty?

INSTALLATION:

- Process: What is the installation process like? Who is responsible for what? How long does the typical installation take?
- Site requirements: What does my site need to have in terms of infrastructure in order to install the station?
- Installation fees: What are the installation fees?

SERVICE AND MAINTENANCE:

- Onboarding and training: How will people in my organization be set up and trained to manage the stations?
- Service request: What happens if there is a hardware or software service request? What is the service level agreements?
- Theft/damage: What systems are available to prevent theft or vandalism? What happens if the station/cables are vandalized or stolen?
- Service fees: Who pays for the service?
- Low Carbon Fuel Standard Credits (LCFS): Who owns the LCFS credits that are generated by the charging station? How can they be monetized by our organization?

For questions or comments, please reach out to your SCE account manager or visit [sce.com/TE](https://www.sce.com/TE)

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