EVlink charging solutions

The key success factor for the electric vehicle
Urban transportation habits are changing and the EV is emerging as a top choice for city dwellers who drive less than 20 kilometers per day. Whether you are a business leader, local government representative, vehicle fleet manager, or gas station owner, you can count on Schneider Electric to help you offer the right solutions for today’s changing transportation landscape.

In tomorrow’s mobility ecosystem, the EV will be used in conjunction with environmentally friendly transportation like cycling, buses, streetcars, and subways.

Schneider Electric, The Global Specialist in Energy Management™, will play a major role in promoting the EV. This includes putting the extensive energy management expertise of Schneider Electric to work for the development of charging solutions that are easy to use, safe, available, and energy efficient.

Schneider Electric is a founding member of the EV Plug Alliance, an industry association whose mission is to develop a certificate of compliance with the future IEC Type 3 plug and socket standard. The goal is for all EV recharging equipment to meet safety standards for residential and commercial use while optimizing cost.
Facilitating access to energy

Electric vehicles (EVs) are more economical and environmentally friendly than traditional cars, making them an ideal real-world response to the challenge of reducing the environmental impacts of transportation.

With zero gas and particle emissions and extremely quiet operation, EVs offer a promising alternative for tomorrow’s transportation sector—which, in France, currently accounts for 28 per cent of energy consumption and 34 per cent of CO₂ emissions.

However, a number of key success factors will condition the future of the EV and the charging infrastructure is at the top of the list. Users must have optimal access to energy anytime and anywhere.

A safe and efficient solution by Schneider Electric:

- Standard, accelerated, or quick charging times
- Multiple charging points at home, at work, in parking lots and garages, at shopping centres, and at the roadside
- Absolute safety for users and their vehicles
- Optimized charging when energy costs are low or when energy from renewable sources is available—for lower costs and environmental impacts

Home recharging station

Parking lot, garage, or roadside charging application

Quick charging station
Real solutions to keep you on the road anytime, anywhere

Schneider Electric plant to plug EV recharging solutions

- From electric utility to vehicle end user
- From smart grid to plug
- From local and remote charging point supervision to complete charging data
- From simple recharging to smart recharging for optimal energy cost and choice of energy source

Quick recharging station

- Charging time: 15–30 minutes
- A fast, reliable solution for emergency charging

Shopping centre parking lot

- Minimum 25% charge in 2 hours
- Robust solution with vandalism-proof locking system
- Supervision service and charge level indicator
- With or without payment system

Residential garage

- Charging time: 6–8 hours
- Installed by a professional; guaranteed safe for users and their vehicles

Fleet parking lot

- Charging time: 3–8 hours
- Energy-saving fleet management and supervision solutions
Schneider Electric™ charging stations ensure user safety thanks to smart sockets that will allow charging to begin only when the vehicle is safely plugged in. Our offer is also compliant with the IEC 61851-1 standard and is equipped with shutters that cover the power contacts when not in use – guaranteeing a high level of safety for both home and commercial use.

Four good reasons to choose EVlink solutions

Safe
Schneider Electric™ charging stations offer built in smart energy management with features like optimized recharge power depending on vehicle needs and available power on the grid. Because they can communicate with both the vehicle being charged and the grid, users can stay informed about station availability and recharge progress via a PC or mobile phone. The system can even send a message to tell users when their vehicles are ready.

Smart
Schneider Electric charging stations offer built in smart energy management with features like optimized recharge power depending on vehicle needs and available power on the grid. Because they can communicate with both the vehicle being charged and the grid, users can stay informed about station availability and recharge progress via a PC or mobile phone. The system can even send a message to tell users when their vehicles are ready.

Standard
Schneider Electric is a driving force behind the creation of a European standard to enable users to charge their EVs with the same level of access and safety across Europe.

Simple
Schneider Electric charging stations are easy and ergonomically friendly to use. They offer a simple, intuitive interface for users and are designed to facilitate operation and maintenance.
Charging station architectures

A charging station is equipped with one or more terminals. Its architecture aims to optimize the cost price according to the required functions.

<table>
<thead>
<tr>
<th>Type</th>
<th>Power supply</th>
<th>Access to recharging</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isolated</td>
<td>Individual</td>
<td>Free</td>
<td>• residential</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• car park of company, hotel, shopping mall, etc.</td>
</tr>
<tr>
<td>Isolated</td>
<td>Collective</td>
<td>On authorization</td>
<td>• park of company, hotel, shopping mall, etc.</td>
</tr>
<tr>
<td>Cluster</td>
<td>Collective</td>
<td>Free</td>
<td>• car park of fleet, company, hotel, shopping mall, etc.</td>
</tr>
<tr>
<td>Cluster</td>
<td>Collective</td>
<td>On authorization</td>
<td>• car park building</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• fleet parking lot, shopping mall, etc.</td>
</tr>
<tr>
<td>Cluster</td>
<td>Collective</td>
<td>On authorization or paying in places</td>
<td>• roads</td>
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<tr>
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<td></td>
<td></td>
<td>• car park building</td>
</tr>
<tr>
<td>Isolated</td>
<td>Individual</td>
<td>On authorization or paying in places</td>
<td>• fast recharging station</td>
</tr>
</tbody>
</table>

To learn more

> Contact your trusted Schneider Electric representative
> Visit www.schneider-electric.com/electric-vehicle

Make the most of your energy™

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